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AIWA®

SERVICE MANUAL

CP-790
CX-790
S-79MK II
V-770MK II

- BASIC TAPE MECHANISM: TN-21Z (DECK-1)
  : TN-223 (DECK-2)
- TYPE. E, K, Z

760

			H	U	C	E	K	G	Z
CP-790	CASSEIVER	CX-S790	●	●	●	●		●	●
	TURNTABLE	PX-SE770 ※1	●	●	●	●		●	●
	REMOTE-CON	RC-T790L				●			●
		RC-T790F		●	●				
		RC-T790SF	●					●	
CX-790	CASSEIVER	CX-790 ※2				●			
S-79 MK II	CASSEIVER	CX-S79MK II					●		
	TURNTABLE	PX-SE79 ※3					●		
	REMOTE-CON	RC-T79MK II					●		
	SPEAKER	SX-S79A					●		
V-770 MK II	CASSEIVER	CX-S790					●		
	TURNTABLE	PX-SE770 ※1					●		
	REMOTE-CON	RC-T790L					●		
	SPEAKEP	SX-S780A					●		

※2 CX-790 is the identical model with CX-S790.

MC-Service

'WA Co., Ltd. Tokyo Japan

Printed in Japan

SPECIFICATIONS

CX-790 CX-79MK2

< Common >

Power requirements
CX-790H
120 V/220 V/240 V switchable 50/60 Hz
CX-790G
240 V 50/60 Hz
CX-790U, C
120 V/220 V/240 V switchable 50/60 Hz
CX-790E, Z
220 V 50/60 Hz
CX-790K, 79MK2
240 V 50/60 Hz

Power consumption
CX-790G 275 W (System total 285 W)
CX-790H 95W (System total 100 W)
CX-790E, K, Z, S79MK2 275 W (System total 285 W)
CX-790U 110 W (System total 120 W)
CX-790C 170 W (System total 180 W)

Dimensions 330(W) × 316.5(H) × 325(D) mm
Weight 9.3 kg

< Amplifier section >

Power output
CX-790G
40W + 40W (8 ohms, T.H.D. 1%, 1 kHz)
CX-790H
55W + 55W (8 ohms, EIAJ)
CX-790E, K, Z, S79MK2
40 W + 40 W (8 ohms, T.H.D. 1%, 1 kHz)
< FTC Rule U, C model only >
40 Watts per channel, Min. RMS at 8 ohms, from 40 Hz—20 kHz, with no more than 1% Total Harmonic Distortion.

Power bandwidth (IHF) 20 Hz—50 kHz
Signal-to-noise ratio 88 dB
Output terminals
SPEAKERS 8—16 ohms
HEADPHONES 8 ohms
Input terminal (Sensitivity/impedance)
VCR (AUX) 200 mV/47 kohms

< FM section >

Frequency range FM: 87.5 MHz to 108 MHz
Usable sensitivity (IHF) 3.1 μV (300 ohms) 15.2 dBf
Alternate channel selectivity 52 dB (± 400 kHz)
Signal-to-noise ratio 77 dB (MONO)
Image response ratio 45 dB
Frequency response 30 Hz to 15 kHz (+0.5, −3 dB)
Stereo separation 35 dB at 1 kHz
Antenna 75 ohms (unbalanced) 300 ohms (balanced)

< MW(AM) section >

Frequency range MW(AM): 530 kHz to 1,605 kHz
MW sensitivity
CX-S790H,G,U,C
300 μV/m
CX-790E, K, Z, S79MK2
400 μV/m
Selectivity 25 dB (9 kHz)
Signal-to-noise ratio 50 dB (100 dB input)
Antenna Loop antenna

< SW section > (H,G model only)

Frequency range
SW1: 3.2000 MHz to 7.3000 MHz
SW2: 9.500 MHz to 21.85 MHz
Sensitivity 60 μV (IEC)
Antenna Wire antenna

< LW section > (E, K, Z, S79MK2 model only)

Frequency range LW: 150 kHz to 285 kHz
Sensitivity 800 μV/m
Antenna Loop antenna

< Deck section >

Track format 4 tracks, 2 channels
Frequency response (Playback)
METAL tape: 30—16,000 Hz
CrO$_2$ tape: 30—15,000 Hz
NORMAL tape: 30—14,000 Hz
Signal-to-noise ratio 60 dB (METAL tape DOLBY NR ON)
Tape speed 4.8 cm/sec. (1-7/8 ips), 9.5 cm/sec. (Double speed)
Rewind time/ Fast forward time 120 sec. (C-60) (Deck 1) 125 sec. (C-60) (Deck 2)
Recording system AC bias
Erase system AC erase
Motor DC Servomotor × 2
Heads
Playback head × 1 (Deck 1)
Record/playback head × 1 (Deck 2)
Erase head × 1 (Deck 2)

PX-E770 PX-E79

Drive system Belt drive system
Speeds 33-1/3 and 45 rpm
Wow & flutter 0.2% (WRMS)
S/N ratio 50 dB (DIN-B)
Cartridge type VM type
Frequency response 20—20,000 Hz
Dimensions 330(W) × 98(H) × 350(D)mm
Weight 2.5 kg
Accessories EP adaptor

SX-790

Cabinet type: Bass reflex
Speaker:
220 mm cone type woofer
50 mm cone type tweeter
40 mm ceramic type tweeter
Frequency response: 45 to 18,000 Hz
Impedance: 8 ohms
Output sound pressure level: 90 dB/W/m
Music power: 50 W
Dimensions: 270(W) × 480(H) × 180(D) mm
Weight: 4.0 kg

SX-R7

Speaker: 120 mm cone
Frequency response: 60 to 18,000 Hz
Impedance: 16 ohms
Output sound pressure level: 89 dB/W/m
Music power: 35 W
Dimensions: 140(W) × 140(H) × 125(D) mm
Weight: 0.8 kg

SX-780

Cabinet type: Bass reflex
Speaker:
220 mm cone type woofer
50 mm cone type tweeter
Frequency response: 45 to 18,000 Hz
Impedance: 8 ohms
Output sound pressure level: 90 dB/W/m
Music power: 50 W
Dimensions: 280(W) × 461(H) × 180(D) mm
Weight: 4.0 kg

SX-770 SX-S79

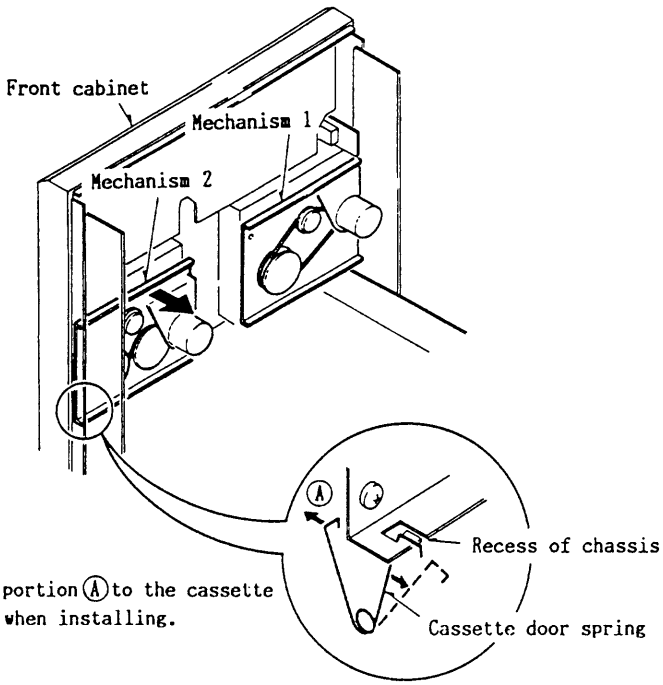
Cabinet type: Bass reflex
Speaker:
220 mm cone type woofer
50 mm cone type tweeter
Frequency response: 45 to 18,000 Hz
Impedance: 8 ohms
Output sound pressure level: 90 dB/W/m
Music power: 50 W
Dimensions: 280(W) × 461(H) × 180(D) mm
Weight: 4.0 kg

- Design and specifications are subject to change without notice.
- Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.
- Dolby and the DD symbol are trademarks of Dolby Laboratories Licensing Corporation.

MODEL NO.

CX-S790, CX-790, CX-S79MKII

DISASSEMBLY INSTRUCTIONS



Hook portion Ⓐ to the cassette door when installing.

1. Removing Cassette Door Spring

1) Remove the spring from the recess of the chassis as shown in the figure. Reinstall the spring through the recess of the chassis.

ELECTRICAL MAIN PARTS LIST (CX−S790E,K,Z, CX−790E, CX−S79MK2K)

REF.NO.	PART NO.	DESCRIPTION
☐☐☐ IC ☐☐☐		
	87-001-153-019	IC,BA6154
	87-020-981-010	IC,CXA1102
	87-020-858-019	IC,LA1177(E,K,S79MK2)
	87-020-566-019	IC,LA1265
	87-020-271-019	IC,LA3600
	87-020-978-010	IC,LA7224
	81-794-610-010	IC,LC6543H-3333
	87-020-859-019	IC,LC7217
	87-020-555-019	IC,M4584 BP
	87-020-758-019	IC,NJM2068 SD
	87-020-680-019	IC,NJM2068S
	87-020-908-019	IC,NJM4066BD
	87-020-982-019	IC,STK4162MK-2
	87-027-867-019	IC,TA7343P
	87-027-958-019	IC,TC4051BP
	87-020-943-010	IC,TC9176P
	87-027-787-019	IC,UPC1237 H
	87-020-989-010	IC,UPD7528ACU-204
☐☐☐ TRANSISTOR ☐☐☐		
	89-502-464-019	FET,2SK246Y
	89-501-615-019	FET,2SK161GR
	89-502-415-019	FET,2SK241GR
	89-502-465-019	FET,2SK246GR
	89-503-735-019	FET,2SK373GR
	87-026-165-019	FET,3SK73GR(Z)
	89-106-844-019	TRANSISTOR,2SA684R
	89-109-521-019	TRANSISTOR,2SA952K
	89-110-155-019	TRANSISTOR,2SA1015(GR)
	89-309-456-019	TRANSISTOR,2SC945(P)
	89-313-846-019	TRANSISTOR,2SC1384R
	89-318-154-019	TRANSISTOR,2SC1815(Y)
	89-318-155-019	TRANSISTOR,2SC1815(GR)
	89-319-233-019	TRANSISTOR,2SC1923(O)(Z)
	89-320-011-019	TRANSISTOR,2SC2001(K)
	89-326-683-019	TRANSISTOR,2SC2668(O)(Z)
	89-331-138-019	TRANSISTOR,2SC3113B
	89-406-555-019	TRANSISTOR,2SD655E
	89-412-753-019	TRANSISTOR,2SD1275Q
	89-417-613-019	TRANSISTOR,2SD1761F
	87-026-214-019	TRANSISTOR,DTA114YS
	87-026-286-019	TRANSISTOR,DTA143ES
	87-026-219-019	TRANSISTOR,DTA144ES
	87-026-215-019	TRANSISTOR,DTC114YS
	87-026-218-019	TRANSISTOR,DTC144ES
☐☐☐ DIODE ☐☐☐		
	87-020-691-019	DIODE 1SS132(Z)
	87-020-465-019	DIODE 1SS133
	87-020-123-019	DIODE DS446
	87-020-946-010	DIODE KBPC 602L
	87-020-945-010	DIODE LPG06D
	87-027-365-010	DIODE S5277B
	87-027-474-019	DIODE ZENER HZ-11A2
	87-027-475-019	DIODE ZENER HZ-6B1
	87-027-332-019	DIODE ZENER HZ-6B1L
	87-027-702-019	DIODE ZENER HZ-6C2L
	87-027-301-019	DIODE ZENER HZ11A3
	87-027-449-019	DIODE ZENER HZ15-3L
	87-027-451-019	DIODE ZENER HZ27-2L

REF.NO.	PART NO.	DESCRIPTION
=== MAIN CIRCUIT BOARD SECTION ===		
PCB-A	*	MAIN CIRCUIT BOARD
⚠	★87-033-147-019	FUSE CLAMP
	★81-033-193-010	ANT.TERMINAL ASSY(E)
	★81-033-194-010	ANT.TERMINAL ASSY(K,S79MK2)
	87-049-560-019	CONNECTOR,FTZ(Z)
BPF101	87-030-134-019	BPF(Z)
C101	★87-010-544-019	CAP,ELECT 0.1-50V
C102	★87-018-017-019	CAP,CERA-SOL S 24PF J 50V SL
C103	★87-014-049-019	CAP,PP 470P
C104	★87-010-401-019	CAP,ELECT 1UF-50V
C105	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V
C106	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C107	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C108	★87-010-402-019	CAP,ELECT 2.2-50V(Z)
C109	★87-010-406-019	CAP,ELECT 22-50V
C110	★87-018-038-019	CAP,CERA-SOL K 330PF 50V (B)
C111	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C112	★87-010-378-019	CAP,ELECT 10-16V
C113	★87-010-404-019	CAP,ELECT 4.7-50V SME
C114	★87-010-544-019	CAP,ELECT 0.1-50V
C115	★87-010-403-019	CAP,ELECT 3.3-50V SME
C116	★87-010-404-019	CAP,ELECT 4.7-50V SME
C117	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C118	★87-018-018-019	CAP,CERA-SOL S27P J 50V
C119	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C120	★87-010-035-010	CAP,ELECT 2.2-50V
C121	★87-010-402-019	CAP,ELECT 2.2-50V
C122	★87-010-403-019	CAP,ELECT 3.3-50V SME
C123	★87-010-401-019	CAP,ELECT 1UF-50V
C124	★87-014-057-019	CAP,PP 0.001
C125	★87-010-378-019	CAP,ELECT 10-16V
C126	★87-010-252-019	CAP,ELECT 1000-6.3
C127	★87-010-402-019	CAP,ELECT 2.2-50V
C128	★87-010-402-019	CAP,ELECT 2.2-50V
C131	★87-010-402-019	CAP,ELECT 2.2-50V
C132	★87-010-402-019	CAP,ELECT 2.2-50V
C133	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C134	★87-010-378-019	CAP,ELECT 10-16V
C137	★87-018-044-019	CAP,CERA-SOL 1000PF 50V (B)
C138	★87-010-402-019	CAP,ELECT 2.2-50V(Z)
C139	★87-018-007-019	CAP,CERA-SOL 6.8PF 50V (E,K,S79MK2)
C140	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C141	★87-010-401-019	CAP,ELECT 1UF-50V
C142	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C143	★87-010-401-019	CAP,ELECT 1UF-50V
C144	★87-018-034-019	CAP,CERA-SOL K 150PF 50V(B)
C145	★87-018-032-019	CAP,CERA-SOL S 100P
C146	★87-018-028-019	CAP,CERA-SOL 68PF 50V (E,K,S79MK2)
C148	★87-018-045-019	CAP,CERA-SOL 2200PF
C149	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C164	★87-010-248-019	CAP,ELECT 220-10V SME
C170	★87-014-050-019	CAP,PP 510P
C171	★87-010-378-019	CAP,ELECT 10-16V
C172	★87-010-380-019	CAP,ELECT 47UF-16V
C192	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C194	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C301	★87-018-035-019	CAP,CERA-SOL S180PF K 50V (B)
C302	★87-018-035-019	CAP,CERA-SOL S180PF K 50V (B)
C303	★87-018-024-019	CAP,CERA-SOL S 47P
C304	★87-018-024-019	CAP,CERA-SOL S 47P
C309	★87-010-132-019	CAP,ELECT BP 1-50V
C310	★87-010-132-019	CAP,ELECT BP 1-50V
C311	★87-018-040-019	CAP,CERA-SOL K 470PF 50V (B)
C312	★87-018-040-019	CAP,CERA-SOL K 470PF 50V (B)

REF.NO.	PART NO.	DESCRIPTION
C313	★87-018-024-019	CAP,CERA-SOL 47PF 50V SL
C314	★87-018-024-019	CAP,CERA-SOL 47PF 50V SL
C319	★87-010-132-019	CAP,ELECT BP 1-50V
C320	★87-010-132-019	CAP,ELECT BP 1-50V
C321	★87-010-402-019	CAP,ELECT 2.2-50V
C322	★87-010-402-019	CAP,ELECT 2.2-50V
C327	★87-018-034-019	CAP,CERA-SOL K 150PF 50V (B)
C328	★87-018-034-019	CAP,CERA-SOL K 150PF 50V (B)
C329	★87-018-044-019	CAP,CERA-SOL 1000PF 50V (B)
C330	★87-018-044-019	CAP,CERA-SOL 1000PF 50V (B)
C334	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C336	★87-010-406-019	CAP,ELECT 22-50V
C337	★87-010-380-019	CAP,ELECT 47UF-16V
C338	★87-010-101-019	CAP,ELECT 220-16V
C339	★87-010-371-019	CAP,ELECT 470-6.3V SME
C340	★87-010-544-019	CAP,ELECT 0.1-50V
C341	★87-010-400-019	CAP,ELECT 0.47-50V SME
C342	★87-010-101-019	CAP,ELECT 220-16V
C343	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C351	★87-010-401-019	CAP,ELECT 1-50V
C352	★87-010-401-019	CAP,ELECT 1-50V
C353	★87-018-040-019	CAP,CERA-SOL K 470PF 50V (B)
C354	★87-018-040-019	CAP,CERA-SOL K 470PF 50V (B)
C355	★87-018-040-019	CAP,CERA-SOL K 470PF 50V (B)
C356	★87-018-040-019	CAP,CERA-SOL K 470PF 50V (B)
C357	★87-010-402-019	CAP,ELECT 2.2-50V
C358	★87-010-402-019	CAP,ELECT 2.2-50V
C359	★87-010-256-019	CAP,ELECT 0.68-50V
C360	★87-010-256-019	CAP,ELECT 0.68-50V
C361	★87-010-402-019	CAP,ELECT 2.2-50V
C362	★87-010-402-019	CAP,ELECT 2.2-50V
C363	★87-010-402-019	CAP,ELECT 2.2-50V
C364	★87-010-402-019	CAP,ELECT 2.2-50V
C365	★87-010-382-019	CAP,ELECT 22UF-25V SME
C366	★87-010-384-019	CAP,ELECT 100-25V
C367	★87-010-263-019	CAP,ELECT 100-10V
C368	★87-010-404-019	CAP,ELECT 4.7-50V SME
C375	★87-010-378-019	CAP,ELECT 10-16V
C381	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y(Z)
C382	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y(Z)
C383	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y(Z)
C501	★87-010-401-019	CAP,ELECT 1-50V
C502	★87-010-401-019	CAP,ELECT 1-50V
C503	★87-010-404-019	CAP,ELECT 4.7-50V SME
C504	★87-010-404-019	CAP,ELECT 4.7-50V SME
C505	★87-010-380-019	CAP,ELECT 47-16V
C506	★87-010-380-019	CAP,ELECT 47-16V
C507	★87-010-404-019	CAP,ELECT 4.7-50V SME
C508	★87-010-404-019	CAP,ELECT 4.7-50V SME
C509	★87-018-044-019	CAP,CERA-SOL 1000PF 50V (B)
C510	★87-018-044-019	CAP,CERA-SOL 1000PF 50V (B)
C511	★87-010-380-019	CAP,ELECT 47-16V
C512	★87-010-380-019	CAP,ELECT 47-16V
C513	★87-010-408-019	CAP,ELECT 47-50VX
C514	★87-010-408-019	CAP,ELECT 47-50VX
C515	★87-010-405-019	CAP,ELECT 10-50V SME
C516	★87-010-247-019	CAP,ELECT 100-50 SME
C519	★87-018-044-019	CAP,CERA-SOL S 0.001UF 50V
C520	★87-015-450-019	CAP,ELECT BP 220-25V
C522	★87-010-403-019	CAP,ELECT 3.3-50V SME
C523	★87-010-374-019	CAP,ELECT 47-10V
C524	★87-010-401-019	CAP,ELECT 1-50V
C525	★87-010-378-019	CAP,ELECT 10-16V
C526	★87-010-405-019	CAP,ELECT 10-50V SME

REF.NO.	PART NO.	DESCRIPTION
C527	★87-010-260-019	CAP,ELECT 47UF-25V
C528	★87-010-246-019	CAP,ELECT 47-35V
C529	★87-010-246-019	CAP,ELECT 47-35V
C530	★81-794-643-019	CAP,ELECT 4700-50
C531	★81-794-643-019	CAP,ELECT 4700-50
C532	★87-010-384-019	CAP,ELECT 100-25V
C533	★87-010-248-019	CAP,ELECT 220-10V
C534	★87-010-042-019	CAP,ELECT 47UF-25V (105)
C535	★87-010-453-019	CAP,ELECT 4700-25V
C536	★87-010-374-019	CAP,ELECT 47-10V
C537	★87-010-402-019	CAP,ELECT 2.2-50V
C541	★87-010-260-019	CAP,ELECT 47-25V
C543	★87-018-032-019	CAP,CERA-SOL 100PF 50V SL
C544	★87-018-032-019	CAP,CERA-SOL 100PF 50V SL
C545	★87-010-112-019	CAP,ELECT 100-16V SME
C555	★87-018-024-019	CAP,CERA-SOL 47P(Z)
C556	★87-018-024-019	CAP,CERA-SOL 47P(Z)
C557	★87-010-380-019	CAP,ELECT 47-16V
C559	★87-010-380-019	CAP,ELECT 47-16V
C560	★87-010-380-019	CAP,ELECT 47-16V
C561	★87-010-380-019	CAP,ELECT 47-16V
C562	★87-010-380-019	CAP,ELECT 47-16V
C571	★87-018-044-019	CAP,CERA-SOL 1000PF 50V B(Z)
C572	★87-018-044-019	CAP,CERA-SOL 1000PF 50V B(Z)
C577	★87-018-032-019	CAP,CERA-SOL 100P(Z)
C578	★87-018-032-019	CAP,CERA-SOL 100P(Z)
C591	★87-018-121-019	CAP,CERA-SOL 150PF(Z)
C592	★87-018-121-019	CAP,CERA-SOL 150PF(Z)
CF101	★87-008-261-019	FILTER SFE 10.7 MA5-A
CF102	★82-794-670-019	BFU 450C4N
CF103	82-794-697-019	ANTI BIRDY(Z)
D101	81-754-634-019	VARI CAP KV1260 —
⚠ F1	87-035-369-018	FUSE,T5A
⚠ F2	87-035-369-018	FUSE,T5A
⚠ F3	87-035-365-018	FUSE,T2A
⚠ F6	87-035-222-018	FUSE,T1A
⚠ F7	87-035-222-018	FUSE,T1A
J1	★87-049-851-019	JACK PIN 2P(VCR/AUX)
J2	★87-049-833-019	5P CONNECTOR SOCKET(PHONO)
J3	87-049-659-019	CONNECTOR 13P(CD)
J5	87-049-852-019	JACK, 3.5(SURROUND SPEAKER, LCH)
J6	87-049-852-019	JACK, 3.5(SURROUND SPEAKER, RCH)
J7	★87-033-195-019	TERMINAL,SP-4P(SPEAKER)
L3	★81-754-638-019	COIL QUAD (P)
L4	★81-754-639-019	COIL QUAD (S)
L101	★87-006-141-019	COIL MW ANT-6R(S)
L102	★82-794-687-019	COIL OSC MW
L103	★82-006-142-019	COIL LW ANT
L104	★82-794-688-019	COIL LW OSC
L105	★81-701-642-019	CFLZ-450A
L106	★87-008-253-019	LPF
L107	★87-005-121-019	COIL 2.2 UH
L301	★87-003-129-019	COIL 6.8 MMH
L302	★87-003-129-019	COIL J 6.8MMH
L303	★87-003-125-019	COIL J 3.3MMH
L304	★87-003-125-019	COIL J 3.3MMH
L305	★81-794-661-019	COIL OSC
L501	★87-005-366-019	COIL 1UH(Z)
L502	★87-005-366-019	COIL 1UH(Z)
L503	★87-003-057-019	COIL 4.7UH(Z)
R517	★87-025-441-010	RES,MF 2W 0.22
R518	★87-025-441-010	RES,MF 2W 0.22
⚠ R534	87-029-102-010	RES,FUSIBLE 1/4W 47
⚠ R535	87-029-082-010	RES,FUSIBLE 1/4W 100

REF.NO.	PART NO.	DESCRIPTION
⚠ R545	87-029-089-010	RES,FUSIBLE 1/4W 4.7
⚠ R548	87-029-089-010	RES,FUSIBLE 1/4W 4.7
⚠ R569	87-029-105-010	RES,FUSIBLE 1/2W 10
⚠ R570	87-029-105-010	RES,FUSIBLE 1/2W 10
⚠ R597	87-029-089-010	RES,FUSIBLE 1/4W 4.7
⚠ R602	87-029-089-010	RES,FUSIBLE 1/4W 4.7
RY501	87-045-280-019	RELAY GSR-12V SP
SFR1	★87-021-737-019	SFR 470
SFR2	★87-021-737-019	SFR 470
SFR3	★87-021-737-019	SFR 470
SFR4	★87-021-737-019	SFR 470
SFR5	★87-021-741-019	SFR 4.7K
SFR6	★87-021-741-019	SFR 4.7K
SFR7	★87-021-743-019	SFR 22 KB
SFR8	★87-021-743-019	SFR 22 KB
SFR101	★87-021-742-019	SFR 10K
TC101	★87-011-164-019	TRIMMER CERAMIC 30PF
TC102	★87-011-131-019	CAP TRIMMER 30PF
TC103	★87-011-131-019	CAP TRIMMER 30PF(Z)
VR501	81-794-644-019	VOLUME 50KA 2 GANG(INPUT LEVEL)
X101	87-030-133-019	CRYSTAL 7.2M (S)

=== FRONT CIRCUIT BOARD SECTION ===

PCB-B	*	FRONT CIRCUIT BOARD
C701	★87-015-697-019	CAP,ELECT 3.3-50V SRA
C702	★87-015-697-019	CAP,ELECT 3.3-50V SRA
C705	★87-015-695-019	CAP,ELECT 1-50V SRA
C706	★87-015-695-019	CAP,ELECT 1-50V SRA
C709	★87-015-692-019	CAP,ELECT 0.22-50V
C710	★87-015-692-019	CAP,ELECT 0.22-50V
C711	★87-018-200-019	CAP,CERA-SOL 3900PF
C715	★87-018-195-019	CAP,CERA-SOL SS 1200P
C719	★87-018-039-019	CAP,CERA-SOL 390PF K 50V B
C720	★87-018-039-019	CAP,CERA-SOL 390PF K 50V B
C723	★87-018-044-019	CAP,CERA-SOL 1000PF 50V B
C724	★87-018-044-019	CAP,CERA-SOL 1000PF 50V B
C725	★87-015-681-019	CAP,ELECT 10-16V SRA
C726	★87-015-681-019	CAP,ELECT 10-16V SRA
C727	★87-015-684-019	CAP,ELECT 47-16V SRA
C728	★87-015-684-019	CAP,ELECT 47-16V SRA
C731	★87-015-684-019	CAP,ELECT 47-16V SRA
C732	★87-015-684-019	CAP,ELECT 47-16V SRA
C733	★87-015-698-019	CAP,ELECT 4.7-50V SRA
C734	★87-010-112-019	CAP,ELECT 100-16V SME
C739	★87-015-692-019	CAP,ELECT 0.22-50V
C740	★87-015-693-019	CAP,ELECT 0.33-50V S
C745	★87-018-044-019	CAP,CERA-SOL 1000PF 50V B
C750	★87-015-698-019	CAP,ELECT 4.7-50V SRA
C751	★87-015-698-019	CAP,ELECT 4.7-50V SRA
C752	★87-015-698-019	CAP,ELECT 4.7-50V SRA
C753	★87-015-698-019	CAP,ELECT 4.7-50V SRA
C754	★87-015-698-019	CAP,ELECT 4.7-50V SRA
C755	★87-010-101-019	CAP,ELECT 220-16V
C761	★87-010-264-019	CAP,ELECT 100-10V SRE
C762	★87-010-244-019	CAP,ELECT 22-16V SRA
C763	★87-014-068-019	CAP,PP 3000P
C764	★87-015-698-019	CAP,ELECT 4.7-50V SRA
C765	★87-018-046-019	CAP,CERA-SOL 0.0047-25V
C766	★87-010-264-019	CAP,ELECT 100-10V SRE
C768	★87-010-264-019	CAP,ELECT 100-10V SRE
C771	★87-015-684-019	CAP,ELECT 47-16 SRA
C772	★87-015-684-019	CAP,ELECT 47-16V SRA
C773	★87-018-047-019	CAP,CERA-SOL 0.01-16V Y

REF.NO.	PART NO.	DESCRIPTION
C774	★87-018-041-019	CAP,CERA-SOL K 560PF 50V B
C775	★87-015-684-019	CAP,ELECT 47-16V SRA
C851	★87-010-244-019	CAP,ELECT 22-16V SRA
C852	★87-018-020-019	CAP,CERA-SOL 33P
C853	★87-010-392-019	CAP,ELECT 33-35V SRA
C854	★87-010-248-019	CAP,ELECT 220-10V
C856	★87-010-379-019	CAP,ELECT 22-16V SME
C859	★87-015-684-019	CAP,ELECT 47-16V SRA
C860	★87-015-684-019	CAP,ELECT 47-16V SRA
D751	87-020-979-019	PHOTO DIODE SSZ 503(REM. SENS.)
FL1	81-783-662-010	FL,2BAND(TIME/FREQ.)
L751	★81-783-656-019	COIL YX
L761	★81-794-611-019	COIL 2 MHZ
L762	★87-003-045-019	COIL CHOKE 22UH
L763	★87-003-045-019	COIL CHOKE 22UH
L791	★87-003-045-019	COIL 22 UH
L792	★87-003-045-019	COIL 22 UH
LED1	87-020-987-019	LED SLZ 981C-02-T1(SP.A.70HZ)
LED2	87-020-987-019	LED SLZ 981C-02-T1(SP.A.70HZ)
LED3	87-020-986-019	LED SLZ 381C-02-T1(SP.A.70HZ)
LED4	87-020-986-019	LED SLZ 381C-02-T1(SP.A.70HZ)
LED5	87-020-986-019	LED SLZ 381C-02-T1(SP.A.70KHZ)
LED6	87-020-987-019	LED SLZ 981C-02-T1(SP.A.350HZ)
LED7	87-020-987-019	LED SLZ 981C-02-T1(SP.A.350HZ)
LED8	87-020-986-019	LED SLZ 381C-02-T1(SP.A.350HZ)
LED9	87-020-986-019	LED SLZ 381C-02-T1(SP.A.350HZ)
LED10	87-020-986-019	LED SLZ 381C-02-T1(SP.A.350HZ)
LED11	87-020-987-019	LED SLZ 981C-02-T1(SP.A.1KHZ)
LED12	87-020-987-019	LED SLZ 981C-02-T1(SP.A.1KHZ)
LED13	87-020-986-019	LED SLZ 381C-02-T1(SP.A.1KH)
LED14	87-020-986-019	LED SLZ 381C-02-T1(SP.A.1KHZ)
LED15	87-020-986-019	LED SLZ 381C-02-T1(SP.A.1KHZ)
LED16	87-020-987-019	LED SLZ 981C-02-T1(SP.A.3.5KHZ)
LED17	87-020-987-019	LED SLZ 981C-02-T1(SP.A.3.5KHZ)
LED18	87-020-986-019	LED SLZ 381C-02-T1(SP.A.3.5KHZ)
LED19	87-020-986-019	LED SLZ 381C-02-T1(SP.A.3.5KHZ)
LED20	87-020-986-019	LED SLZ 381C-02-T1(SP.A.3.5KHZ)
LED21	87-020-987-019	LED SLZ 981C-02-T1(SP.A.10KHZ)
LED22	87-020-987-019	LED SLZ 981C-02-T1(SP.A.10KHZ)
LED23	87-020-986-019	LED SLZ 381C-02-T1(SP.A.10KHZ)
LED24	87-020-986-019	LED SLZ 381C-02-T1(SP.A.10KHZ)
LED25	87-020-986-019	LED SLZ 381C-02-T1(SP.A.10KHZ)
LED26	87-020-551-019	LED TLG208(CD)
LED27	87-020-551-019	LED TLG208(VCR/AUX)
LED28	87-020-551-019	LED TLG208(PHONO)
LED29	87-020-551-019	LED TLG208(TAPE)
LED30	87-020-551-019	LED TLG208(VOL.INDICATOR)
LED31	87-020-551-019	LED TLG208(VOL.INDICATOR)
LED32	87-020-551-019	LED TLG208(VOL.INDICATOR)
LED33	87-020-551-019	LED TLG208(VOL.INDICATOR)
LED34	87-020-551-019	LED TLG208(VOL.INDICATOR)
LED35	87-020-551-019	LED TLG208(VOL.INDICATOR)
LED36	87-020-551-019	LED TLG208(VOL.INDICATOR)
SW1	87-036-075-019	SW PUSH(OSC)
SW2	81-794-612-019	SW PUSH(DOLBY)
SW3	+++	SW PUSH(CONT.PLAY)(E,K,Z)
SW3	+++	SW PUSH(SURROUND)(S79MK2)
SW4	87-031-771-010	SW TACT(CD)
SW5	87-031-771-010	SW TACT(VCR/AUX)
SW6	87-031-771-010	SW TACT(PHONO)
SW7	87-031-771-010	SW TACT(TAPE)
SW8	87-031-771-010	SW TACT(VR-UP)
SW9	87-031-771-010	SW TACT(VR-DOWN)
SW10	81-735-611-019	SW PUSH(POWER)

REF.NO.	PART NO.	DESCRIPTION
SW11	87-031-771-010	SW TACT(FM)
SW12	87-031-771-010	SW TACT(MW)
SW13	87-031-771-010	SW TACT(TUN./TIM.UP)
SW14	87-031-771-010	SW TACT(TUN./TIM.DOWN)
SW15	87-031-771-010	SW TACT(PRESET STATION)
SW16	87-031-771-010	SW TACT(PRESET STATION 8)
SW17	87-031-771-010	SW TACT(PRESET STATION 7)
SW18	87-031-771-010	SW TACT(PRESET STATION 6)
SW19	87-031-771-010	SW TACT(PRESET STATION 5)
SW20	87-031-771-010	SW TACT(PRESET STATION 4)
SW21	87-031-771-010	SW TACT(PRESET STATION 3)
SW22	87-031-771-010	SW TACT(PRESET STATION 2)
SW23	87-031-771-010	SW TACT(PRESET STATION 1)
SW24	87-031-771-010	SW TACT(SET)
SW25	87-031-771-010	SW TACT(SLEEP)
SW26	87-031-771-010	SW TACT(TIMER STANDBY)
SW27	87-031-771-010	SW TACT(EVERY)
SW28	87-031-771-010	SW TACT(ONCE)
SW29	87-031-771-010	SW TACT(TIMER-FREQ)
SW31	87-031-771-010	SW TACT(LW)
VR1	★87-024-060-019	VR SLIDE 50KB(G.EQ.70HZ)
VR2	★87-024-060-019	VR SLIDE 50KB(G.EQ.350HZ)
VR3	★87-024-060-019	VR SLIDE 50KB(G.EQ.1KHZ)
VR4	★87-024-060-019	VR SLIDE 50KB(G.EQ.3.5KHZ)
VR5	★87-024-060-019	VR SLIDE 50KB(G.EQ.10KHZ)
VR6	★81-794-642-019	VR ROTARY 50KW(BALANCE)
=== LOGIC CIRCUIT BOARD SECTION ===		
PCB-C	81-794-616-119	LOGIC CIRCUIT BOARD
C904	★87-010-380-019	CAP,ELECT 47-16V
C905	★87-010-378-019	CAP,ELECT 10-16V
C906	★87-010-400-019	CAP,ELECT 0.47-50V SME
C907	★87-010-402-019	CAP,ELECT 2.2-50V
C908	★87-010-382-019	CAP,ELECT 22-25V SME
C909	★87-010-402-019	CAP,ELECT 2.2-50V
C910	★87-010-401-019	CAP,ELECT 1-50V
C911	★87-010-380-019	CAP,ELECT 47-16V
C912	★87-010-381-019	CAP,ELECT 330-16V SME
C913	★87-010-401-019	CAP,ELECT 1-50V
=== JACK CIRCUIT BOARD SECTION ===		
PCB-D	*	JACK CIRCUIT BOARD(E,K,Z)
PCB-L	*	JACK CIRCUIT BOARD(S79MK2)
J4	87-049-855-019	JACK,6.3-W/S(PHONES)
R599	★87-025-154-019	RES,MF 1W 270
R600	★87-025-154-019	RES,MF 1W 270
RY2	87-045-396-019	RELAY G4U-1112P(S79MK2)
=== LED CIRCUIT BOARD SECTION ===		
PCB-E	*	LED CIRCUIT BOARD
LED901	87-020-986-019	LED SLZ381C-02-T1(DOLBY NR)
LED902	87-020-986-019	LED SLZ381C-02-T1(▶PLAY)
LED903	87-020-986-019	LED SLZ381C-02-T1(◀REV PLAY)
=== DECK-1 CIRCUIT BOARD SECTION ===		
PCB-F	*	DECK-1 CIRCUIT BOARD
SFR903	87-021-797-010	SFR 1K
SFR904	87-021-797-010	SFR 1K
SW907	S6-401-011-490	SW LEAF(MOTOR)
SW908	S6-401-011-680	SW LEAF(LH)
SW909	S6-401-011-690	SW LEAF(PLAY)
SW912	S6-401-010-610	SW LEAF(HIGH SPEED)
=== DECK-2 CIRCUIT BOARD SECTION ===		

REF.NO.	PART NO.	DESCRIPTION
PCB-G	*	DECK-2 CIRCUIT BOARD
C999	88-336-120-089	CAP,ELECT 100-25V
SFR901	87-021-801-010	SFR 10K
SFR902	87-021-801-010	SFR 10K
SW901	82-127-640-010	SW LEAF(REC)
SW902	S6-401-011-290	SW LEAF(MOTOR)
SW903	S6-401-011-880	SW LEAF(LH)
SW904	S6-401-011-140	SW LEAF(PLAY)
SW905	S6-401-011-400	SW LEAF(FR)
SW906	S6-401-010-360	SW LEAF(REVERSE)

--- RELAY CIRCUIT BOARD SECTION ---

PCB-H	S1-865-020-660	RELAY CIRCUIT BOARD(D2)

--- FRONTEND CIRCUIT BOARD SECTION ---

(E, K, S79MK2 ONLY)

PCB-I	81-783-652-010	FRONTEND CIRCUIT BOARD
C251	★87-018-009-019	CAP,CERA-SOL 10PF
C252	★87-018-044-019	CAP,CERA-SOL 1000PF 50V B
C253	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C254	★87-018-008-019	CAP,CERA-SOL K S8.2P 50V SL
C255	★87-018-044-019	CAP,CERA-SOL 1000PF 50V B
C256	★87-018-006-019	CAP,CERA-SOL S 5.6P K 50V SL
C257	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C258	★87-018-108-019	CAP,CERA-SOL 20P
C259	★87-018-010-019	CAP,CERA-SOL S12P J 50V SL
C260	★87-018-035-019	CAP,CERA-SOL 180PF K 50V (B)
C262	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C263	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C266	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
CF1	★87-008-261-019	FILTER SFE 10.7MA5A
D251	87-020-363-019	DIODE,VARICAP 1SV124A
D252	87-020-363-019	DIODE,VARICAP 1SV124A
D253	87-020-363-019	DIODE,VARICAP 1SV124A
D254	87-020-363-019	DIODE,VARICAP 1SV124A
L251	★82-791-631-019	FM ANT 4
L252	★82-791-630-019	FM ANT 3
L253	★81-748-611-019	FM ANT COIL
L254	★82-791-627-019	FM ANT 2
L255	★81-748-611-019	FM ANT COIL
L256	★82-794-683-019	IFT FM
L257	★87-007-204-010	COIL FM OSC 2 1/2
TC251	★87-011-142-019	CAP,TRIMMER 10PF
TC252	★87-011-142-019	CAP,TRIMMER 10PF

--- FRONTEND Z CIRCUIT BOARD SECTION ---

(Z ONLY)

PCB-K	81-794-711-010	FRONTEND Z CIRCUIT BOARD
C251	★87-018-009-019	CAP,CERA-SOL 10PF
C252	★87-018-100-019	CAP,CERA-SOL 4.7PF
C253	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C254	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C255	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C256	★87-018-010-019	CAP,CERA-SOL 12PF
C257	★87-018-010-019	CAP,CERA-SOL 12PF
C258	★87-018-140-019	CAP,CERA-SOL 2.2PF
C259	★87-018-119-019	CAP,CERA-SOL 100PF
C260	★87-018-139-019	CAP,CERA-SOL 1PF
C261	★87-018-106-019	CAP,CERA-SOL 15PF
C262	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C263	★87-018-116-019	CAP,CERA-SOL 56UF
C264	★87-018-108-019	CAP,CERA-SOL 20PF
C265	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C266	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C267	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y

REF.NO.	PART NO.	DESCRIPTION
C268	★87-018-119-019	CAP,CERA-SOL 100PF
C269	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C270	★87-018-047-019	CAP,CERA-SOL 0.01UF 16V Y
C271	★87-018-047-019	
CF251	★82-799-621-019	CF10.7MS2-A
CF252	★82-785-669-019	CF10.7MA8H-A
D251	87-027-900-019	DIODE,VARICAP 1SV147
D252	87-027-900-019	DIODE,VARICAP 1SV147
D253	87-027-900-019	DIODE,VARICAP 1SV147
D254	87-027-900-019	DIODE,VARICAP 1SV147
L251	★81-794-716-010	FM ANT COIL
L252	★81-794-717-010	FM ANT COIL
L253	★82-791-627-019	FM ANT COIL
L254	★82-702-638-019	FM RF1 COIL
L255	★82-702-638-019	FM RF2 COIL
L256	★87-003-098-019	COIL 2.2MMH
L257	★87-794-683-019	FM IFT
L258	★81-744-715-010	FM OSC COIL
TC251	★87-018-009-019	CAP,TRIMMER 10PF
TC252	★87-018-009-019	CAP,TRIMMER 10PF
TC253	★87-018-009-019	CAP,TRIMMER 10PF

--- MISCELLANEOUS ---

	S6-201-130-030	DUMMY HEAD(D1)
⚠	87-034-975-010	AC CORD K(K)
⚠	87-034-975-018	AC CORD K(S79MK2)
⚠	87-034-736-010	AC CORD E(E,Z)
⚠ C594	87-019-112-010	CAP,AC 0.01E(Z)
LED904	87-020-985-019	LED SLF 325C-G(LIGHT,D2)
LED905	87-020-985-019	LED SLF 325C-G(LIGHT,D1)
M1	S6-002-030-160	MOTOR,EG-500KD-2B(D1)
M2	S6-005-030-420	MOTOR,MMI-6H2LWK(D2)
PH	S6-202-010-630	PB HEAD(D1)
⚠ PT1	81-794-677-018	POWER TRANSFORMER Z(E,Z)
⚠ PT1	81-794-660-019	POWER TRANSFORMER K(S79MK2)
⚠ PT1	81-794-639-019	POWER TRANSFORMER K/N(K)
RPEH	S6-202-060-030	REC/PB/E HEAD(D2)
⚠ SW502	87-036-116-010	SW,SDDT(POWER)

Combination circuit board A 81-794-620-319
PCB-A 81-794-621-319
PCB-D 81-794-622-319 (E, K, Z ONLY)

Combination circuit board B 81-794-635-219
PCB-B 81-794-630-219

(E, K, Z, S79MK2 ONLY)

Combination circuit board D 81-629-614-019
PCB-E 81-629-613-019
PCB-F 81-629-615-019
PCB-G 81-629-616-019

(S79MK2 ONLY)

Combination circuit board E 82-702-601-119
PCB-L 82-702-603-119

IC DESCRIPTION (CX-S790E,K,Z, CX-790E, CX-S79MK2K)

1. IC, LC6543H-3333

1-1 Terminal Description

<table>
<tr><th>Pin No.</th><th>Pin name</th><th>Description</th></tr>
<tr><td>1</td><td>REMOTE -IN</td><td>Remote control serial data input.
The input timing of serial data follows that of IC, LC7461M.</td></tr>
<tr><td>2</td><td>VDD</td><td>Power terminal</td></tr>
<tr><td>3</td><td>E VR-DATA</td><td>Outputs the control signal (DATA) to vary the sound volume using the electronic volume IC, TC9176P. The output timing follows that of IC, TC9176P.</td></tr>
<tr><td>4</td><td>E VR-CLOCK</td><td>Outputs the control signal (CLOCK) to vary the sound volume using the electronic volume IC, TC9176P.</td></tr>
<tr><td>5</td><td>E VR-STROBE</td><td>Outputs the strobe signal (STROBE) to vary the sound volume using the electronic volume IC, TC9176P. The output timing follows that of IC,TC9176P.</td></tr>
<tr><td>6
7
8</td><td>FUNCTION SW-A
FUNCTION SW-B
FUNCTION SW-C</td><td>Output the control signals to switch the input signals according to the function designated by the remote control, key and signal inputs.
<table>
<tr><th rowspan="2">FUNCTION</th><th colspan="3">CONTROL OUT</th></tr>
<tr><th>A</th><th>B</th><th>C</th></tr>
<tr><td>TUNER</td><td>L</td><td>H</td><td>L</td></tr>
<tr><td>PHONO</td><td>H</td><td>H</td><td>L</td></tr>
<tr><td>AUX</td><td>L</td><td>L</td><td>H</td></tr>
<tr><td>CD</td><td>H</td><td>L</td><td>H</td></tr>
<tr><td>TAPE</td><td>L</td><td>H</td><td>H</td></tr>
</table></td></tr>
<tr><td>9
10
11</td><td>TUNER CONTROL-A
TUNER CONTROL-B
TUNER CONTROL-C</td><td>Output the TUNER control signals according to the remote control input.
<table>
<tr><th rowspan="2">TUNER</th><th colspan="3">CONTROL OUT</th></tr>
<tr><th>A</th><th>B</th><th>C</th></tr>
<tr><td>FM</td><td>H</td><td>L</td><td>L</td></tr>
<tr><td>AM</td><td>L</td><td>H</td><td>L</td></tr>
<tr><td>LW</td><td>H</td><td>H</td><td>L</td></tr>
<tr><td>TUNING UP</td><td>L</td><td>L</td><td>H</td></tr>
<tr><td>POWER ON/OFF</td><td>H</td><td>L</td><td>H</td></tr>
<tr><td>TUNNING DOWN</td><td>L</td><td>H</td><td>H</td></tr>
</table></td></tr>
<tr><td>12
13
14</td><td>CD CONTROL-A
CD CONTROL-B
CD CONTROL-C</td><td>Output the CD control signals according to the remote control and signal inputs.
<table>
<tr><th rowspan="2">CD</th><th colspan="3">CONTROL OUT</th></tr>
<tr><th>A</th><th>B</th><th>C</th></tr>
<tr><td>PROGRAM</td><td>L</td><td>H</td><td>L</td></tr>
<tr><td>PLAY/PAUSE</td><td>H</td><td>H</td><td>L</td></tr>
<tr><td>MEMORY</td><td>L</td><td>L</td><td>H</td></tr>
<tr><td>STOP</td><td>H</td><td>L</td><td>H</td></tr>
<tr><td>F.SKIP</td><td>L</td><td>H</td><td>H</td></tr>
<tr><td>B.SKIP</td><td>H</td><td>H</td><td>H</td></tr>
</table></td></tr>
<tr><td>15
16</td><td>OSC-2
OSC-1</td><td>Clock oscillation terminals
Clock frequency : 2MHz</td></tr>
<tr><td>17</td><td>TEST</td><td>LSI test terminal Generally connected to Vss</td></tr>
<tr><td>18</td><td>Vss</td><td>Power terminal</td></tr>
<tr><td>19</td><td>$\overline{\text{RESET}}$</td><td>System reset input</td></tr>
</table>

Pin No.	Pin name	Description
22 23 24 25 26 27 28 29 30	Sa Sb Sc Sd Se Sf Sg Sh Si	Frequency display and clock time segment outputs and key matrix outputs. Active "H"
31 32 33 34 35 36	D3 D2 D1 D4 D5 D6	Frequency display and clock time digit signal outputs. Active "H"
37	———	———
38	P BRK	Power failure detection input. The unit enters the backup mode at "L"
39	T INH	Connectted to GND
40	———	———
41	T BASE	8Hz input supplied from LC7217 for the reference clock.
42	Vss	GND pin

3. IC, LC7217

3-1 Terminal Description

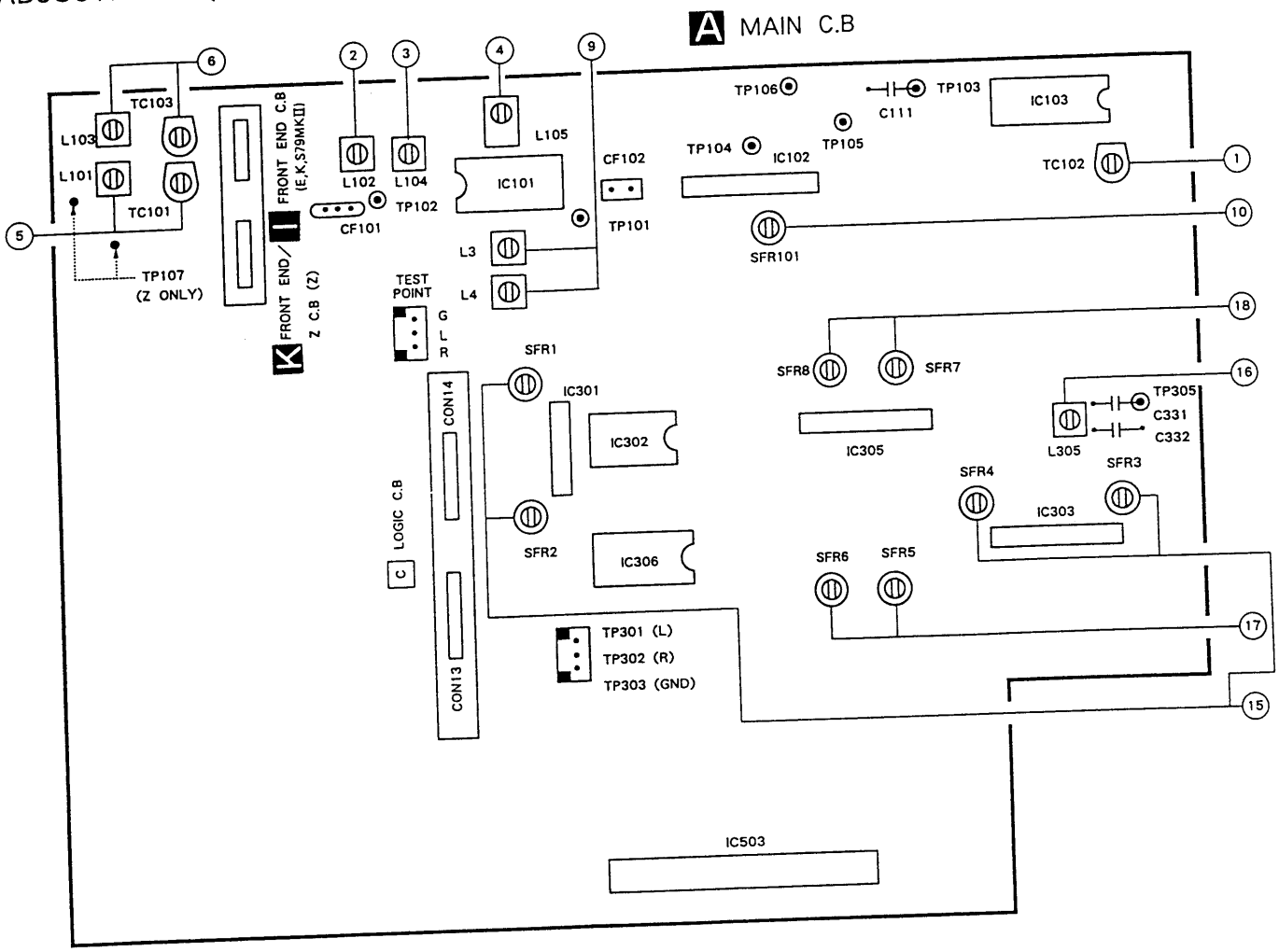
Pin No.	Pin name	Description
1 24	X IN X OUT	Clock oscillation pins. 7.2MHz crystal is connected to these pins.
2 3 4	CE DATA CLK	When any key is operated, a signal is supplied from the CPU. Active "H".
5 8	———	Set open
9	T. BASE	8Hz output supplied to the CPU for the reference clock.
10	———	———
11	POW CONT	Power control output. Outputs "H" during power ON.
12	FM H	Outputs "H" when an FM broadcast is being received.
13	———	———
14	AM H	Outputs "H" when an AM broadcast is being received.
15 16	———	Open.
17	MUTE	Outputs "L" momentarily when a key is operated. Goes "L" during power OFF(active "L")
18	AM IN	AM local oscillation input.
19	FM IN	FM local oscillation input.
20	VDD	Power supply, 5V±10%
21	E_o	PLL error output
22	———	Open
23	Vss	GND

MC-Service

PRACTICAL SERVICE FIGURE (CX-S790E,K,Z, CX-790E, CX-S79MK2K)

(TUNER section)	
(FM section)	
IHF sensitivity:	12±4dB (E, K, S79MK2 ONLY) (THD 3%, 300Ω, 98MHz) 15±4dB(Z ONLY) (S/N 26dB, DIN FILTER 98MHz)
S/N 50dB sensitivity:	36±6dB(98MHz) (E, K, S79MK2 ONLY) 39±5dB(Z ONLY) (S/N 46dB, 98MHz)
IF Frequency:	10.7MHz
Stereo Distortion:	Less than 1%(98MHz)
Stereo Separation:	More than 27dB(98MHz)
(MW section)	
Sensitivity:	$52\ ^{+6}_{-4}$ dB(999kHz)
(S/N 20dB)	
IF Frequency:	450kHz
(LW section)	
Sensitivity:	63±4dB(200kHz)
(CASSETTE DECK section)	
PB output level:	3.2±0.6V (TCC-130, SPEAKER OUT)
REC/PB output:	+2dB±2dB(LINE)
REC/PB S/N ratio:	More than 35/42dB (Unweighted, NORM. Tape DOLBY-NR B OFF/ON) More than 40/51dB (Weighted, NORM. Tape DOLBY-NR B OFF/ON)
Distortion(REC/PB):	Less than 3% (NORM.)
Erasing ratio:	More than 57dB (at 125Hz)
Channel separation:	More than 28dB
Recording bias frequency:	85kHz
Noise(PB): (DUMMY CASSETTE)	Less than 400/100mV (NORM. Tape, Unweighted DOLBY-NR B OFF/ON) Less than 150/80mV (METAL Tape, Unweighted DOLBY-NR OFF/ON)
Wow & flutter:	Less than 0.35% (DECK-1,2 RMS)
Take-up torque:	30~60g-cm(DECK-1) [0.3~0.59mN·m(DECK-1)] 35~70g-cm(DECK-2) [0.34~0.69mN·m(DECK-2)]
F.F & REW torque:	55~140g-cm(DECK-1) [0.54~1.37mN·m(DECK-1)] 60~120g-cm(DECK-2) [0.59~1.17mN·m(DECK-2)]
Back tension:	2~5g-cm(DECK-1) [0.02~0.05mN·m(DECK-1)] 2.5~6g-cm(FWD)(DECK-2) [0.025~0.059mN·m(FWD) (DECK-2)] 2.5~5g-cm(REV)(DECK-2) [0.025~0.05mN·m(REV) (DECK-2)]
Test tape:	METAL TTA-119MP NORMAL TTA-119K

ADJUSTMENT (CX-S790E,K,Z, CX-790E, CX-S79MK2K)



1. Clock Frequency Adjustment

Settings: · Test point: TP103
· Adjustment location: TC102

Method: Set to MW 1611kHz and adjust so that the test point becomes 2061kHz±10Hz.

2. MW VT Adjustment

Settings: · Test point: TP106
· Adjustment location: L102

Method: Set to MW, 522kHz and adjust so that the test point becomes 1.0±0.05V.

3. LW VT Adjustment

Settings: · Test point TP106
· Adjustment location: L104

Method: Set to LW, 144kHz and adjust so that the test point becomes 1.5±0.05V.

4. AM IF Adjustment

L105 ····· 450kHz

5. MW Tracking Adjustment

L101 ····· 603kHz
TC101 ····· 1404kHz

6. LW Tracking Adjustment

L103 ····· 144kHz
TC103 ····· 290kHz

7. FM VT Adjustment

Settings: · Test point: TP106
· Adjustment location: L257 (E, K, S79MKII)
L258 (Z)

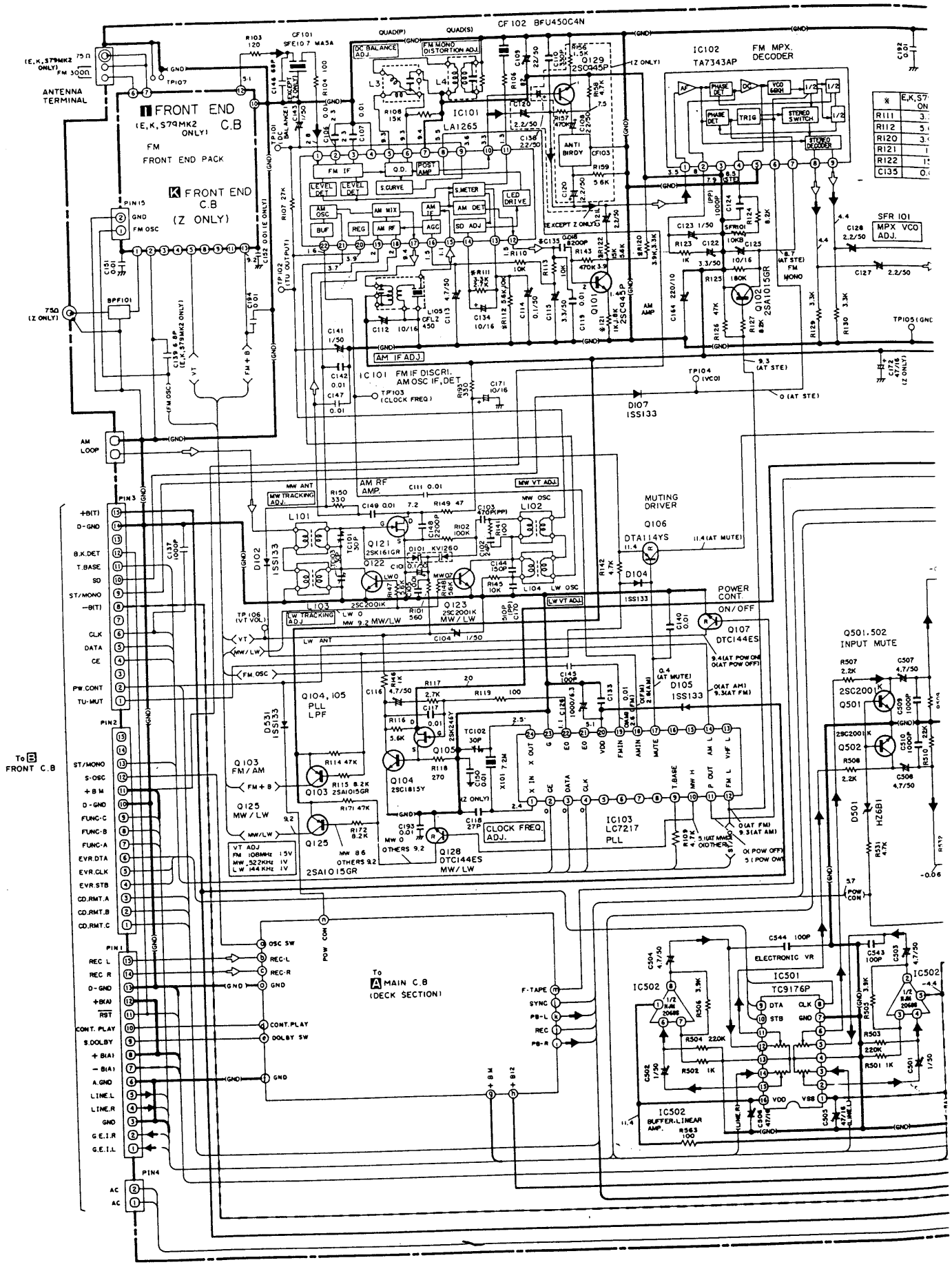
Method: Set to FM 108MHz (Z: 87.5MHz) and adjust so that the test point becomes 15.0±0.05V (Z: 2.8±0.05V).

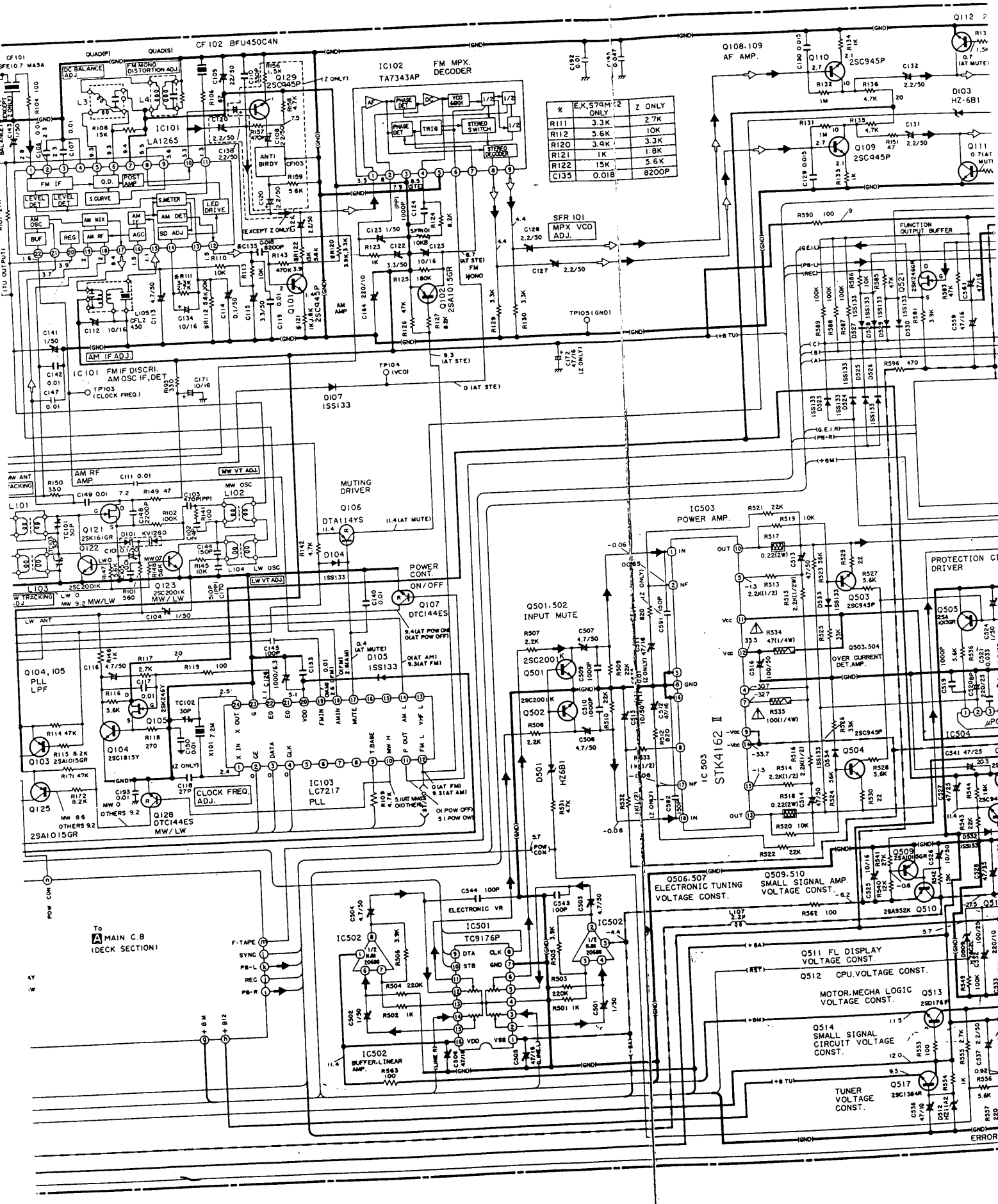
8. FM Tracking Adjustment

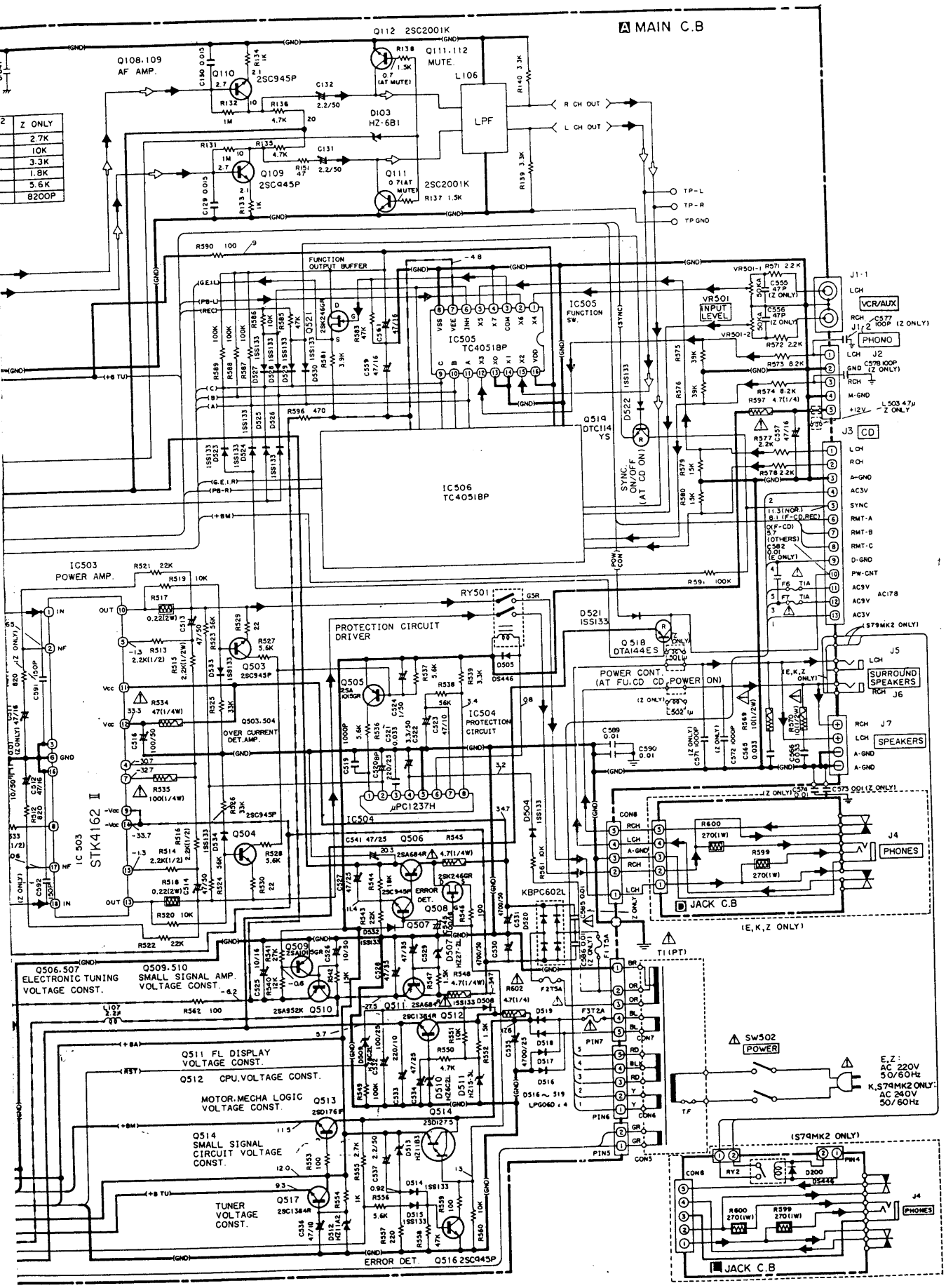
L251, 252, 253, 254, 255 (E, K, S79MKII) ····· 87.5MHz
L252, 254, 255 (Z) ····· 87.5MHz
TC251, 252 (E, K, S79MKII) ····· 108MHz
TC251, 252, 253 (Z) ····· 108MHz

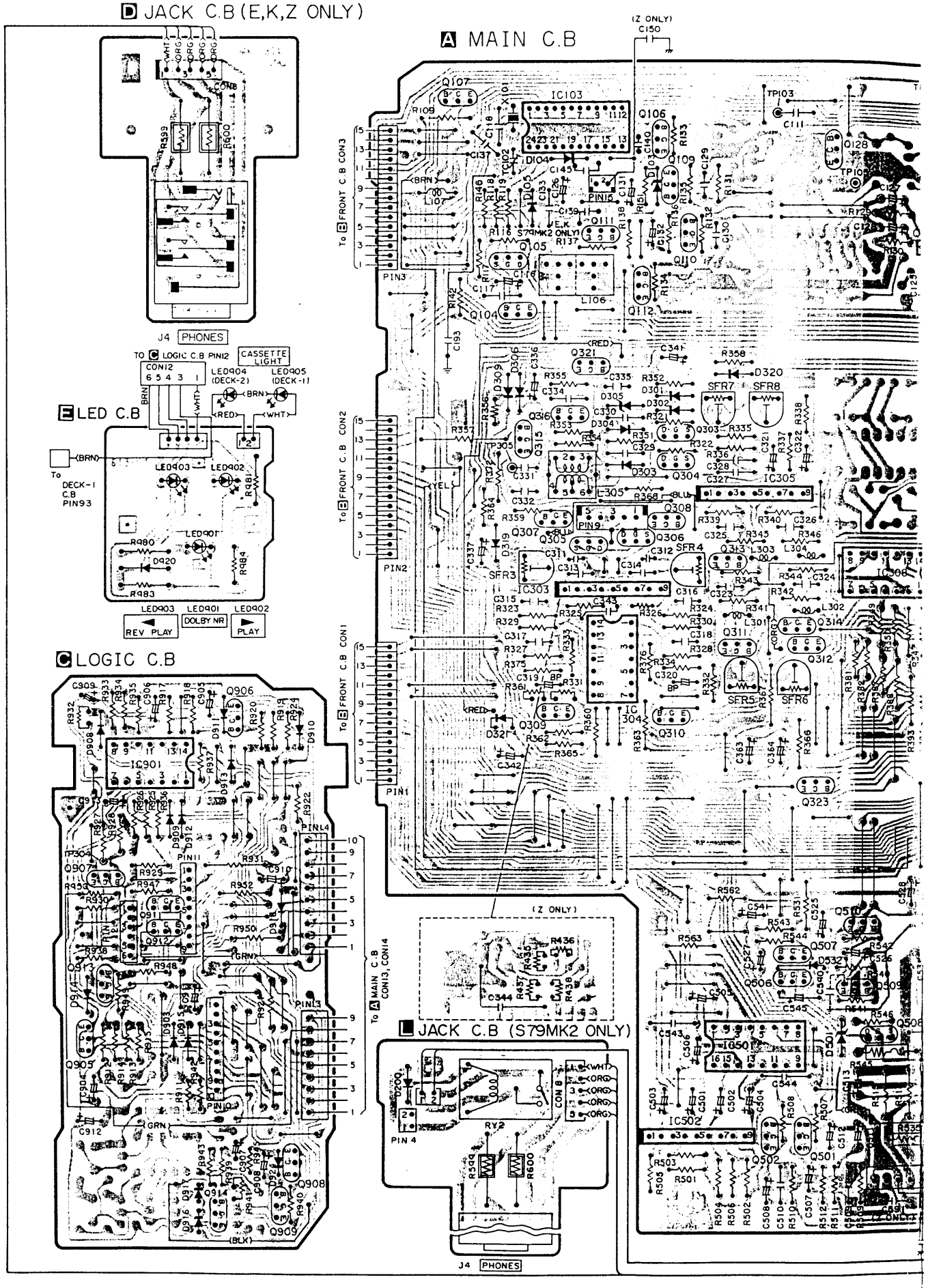
MC-Service

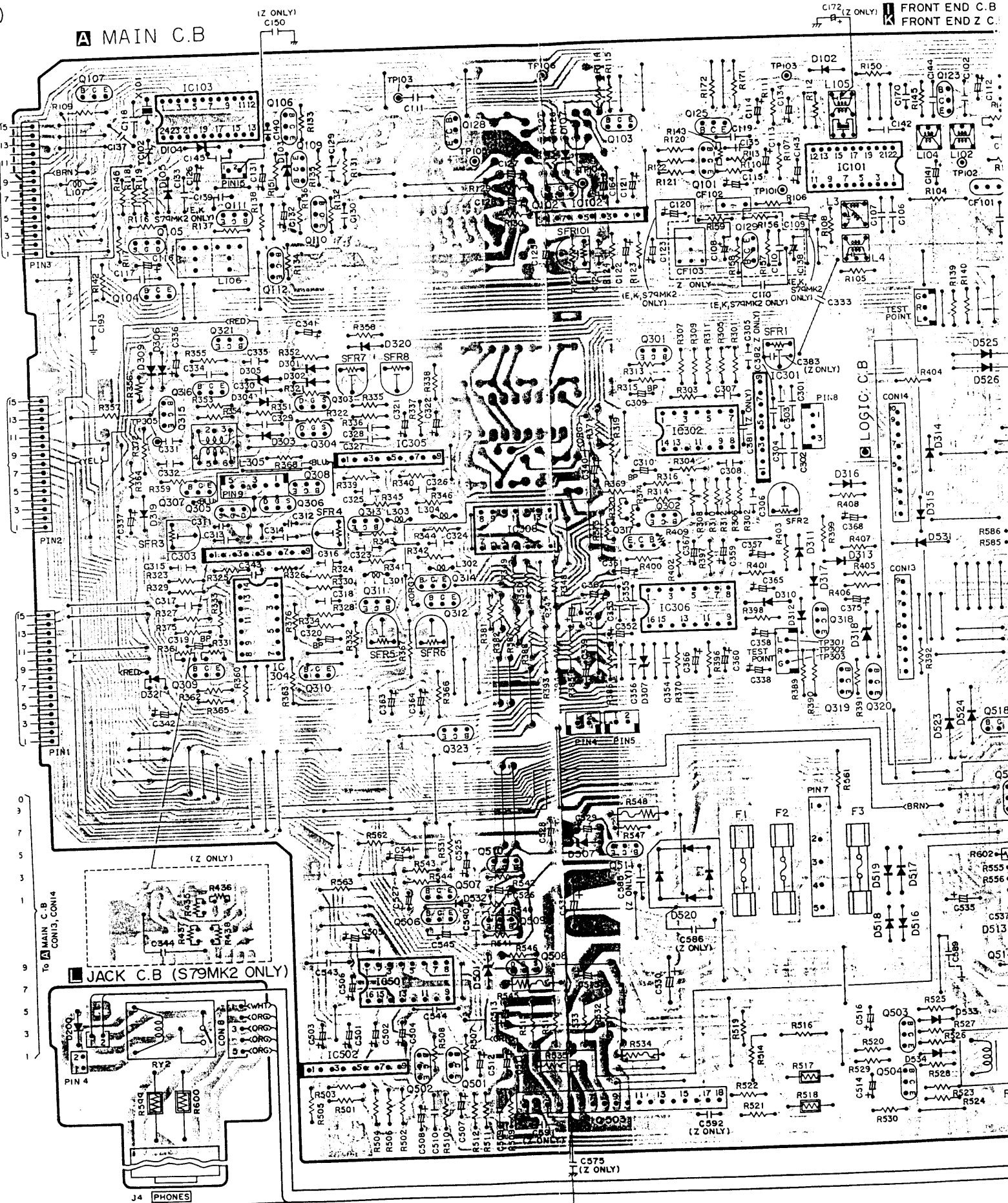
SCHEMATIC DIAGRAM—1 (CX—S790E,K,Z, CX—790E, CX—S79MK2K)

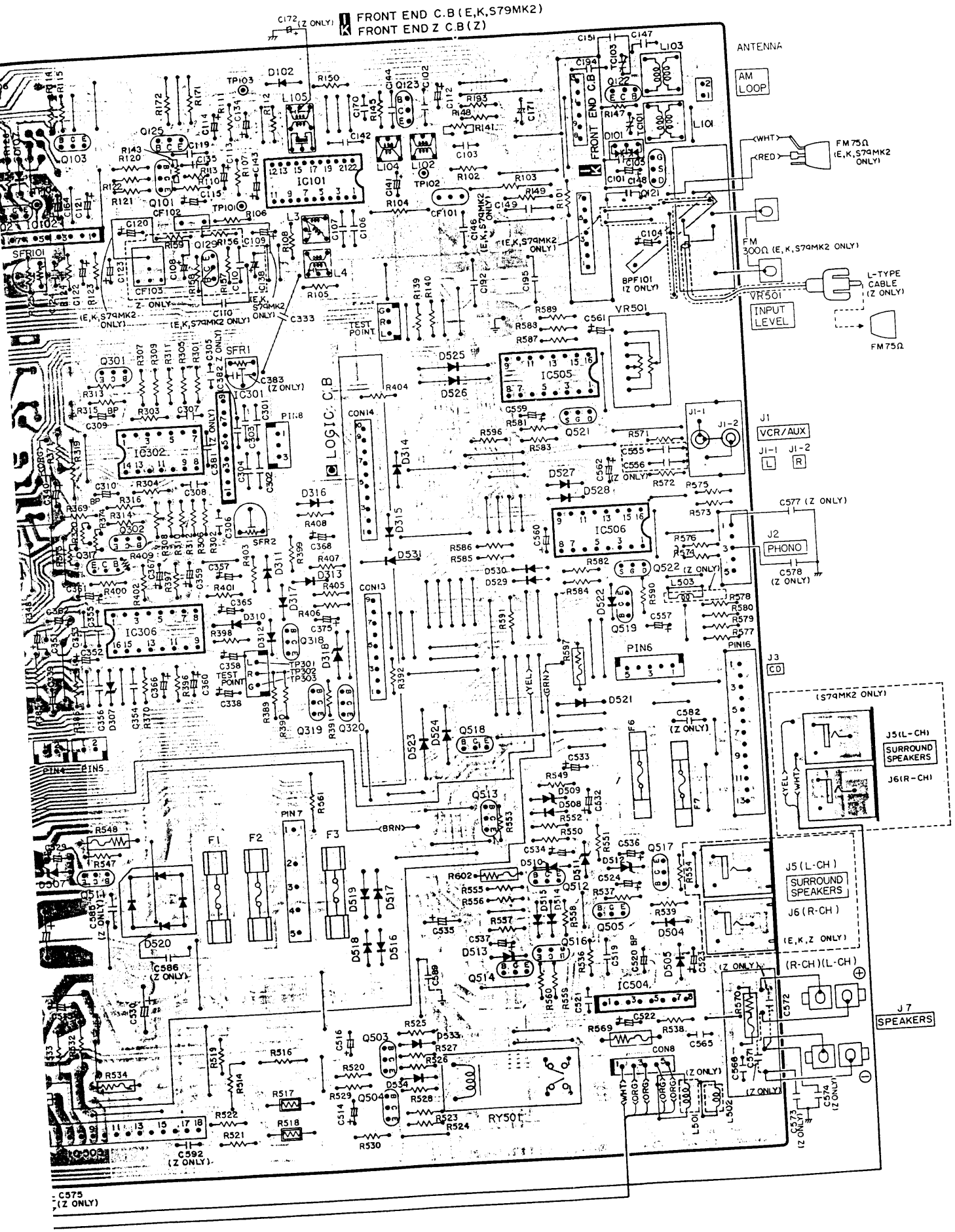



CF102 BFU450C4N
IC102 TA7343AP FM MPX. DECODER
IC101 LA1265
IC101 FM IF DISCRI. AM OSC IF, DET
IC103 LC7217 PLL
IC501 TC9176P
IC502 BUFFER-LINEAR AMP.
IC503 POWER AMP.
IC504 μPC123
IC STK4162 II
Q108.109 AF AMP.
Q501.502 INPUT MUTE
Q503.504 OVER CURRENT DET.AMP.
Q506.507 ELECTRONIC TUNING VOLTAGE CONST.
Q509.510 SMALL SIGNAL AMP. VOLTAGE CONST.
Q511 FL DISPLAY VOLTAGE CONST.
Q512 CPU.VOLTAGE CONST.
Q513 MOTOR.MECHA LOGIC VOLTAGE CONST.
Q514 SMALL SIGNAL CIRCUIT VOLTAGE CONST.
Q517 TUNER VOLTAGE CONST.
MUTING DRIVER
POWER CONT. ON/OFF
PROTECTION CIR DRIVER
FUNCTION OUTPUT BUFFER
ERROR DET
SFR101 MPX VCO ADJ.
AM IF ADJ.
CLOCK FREQ. ADJ.
To A MAIN C.B (DECK SECTION)

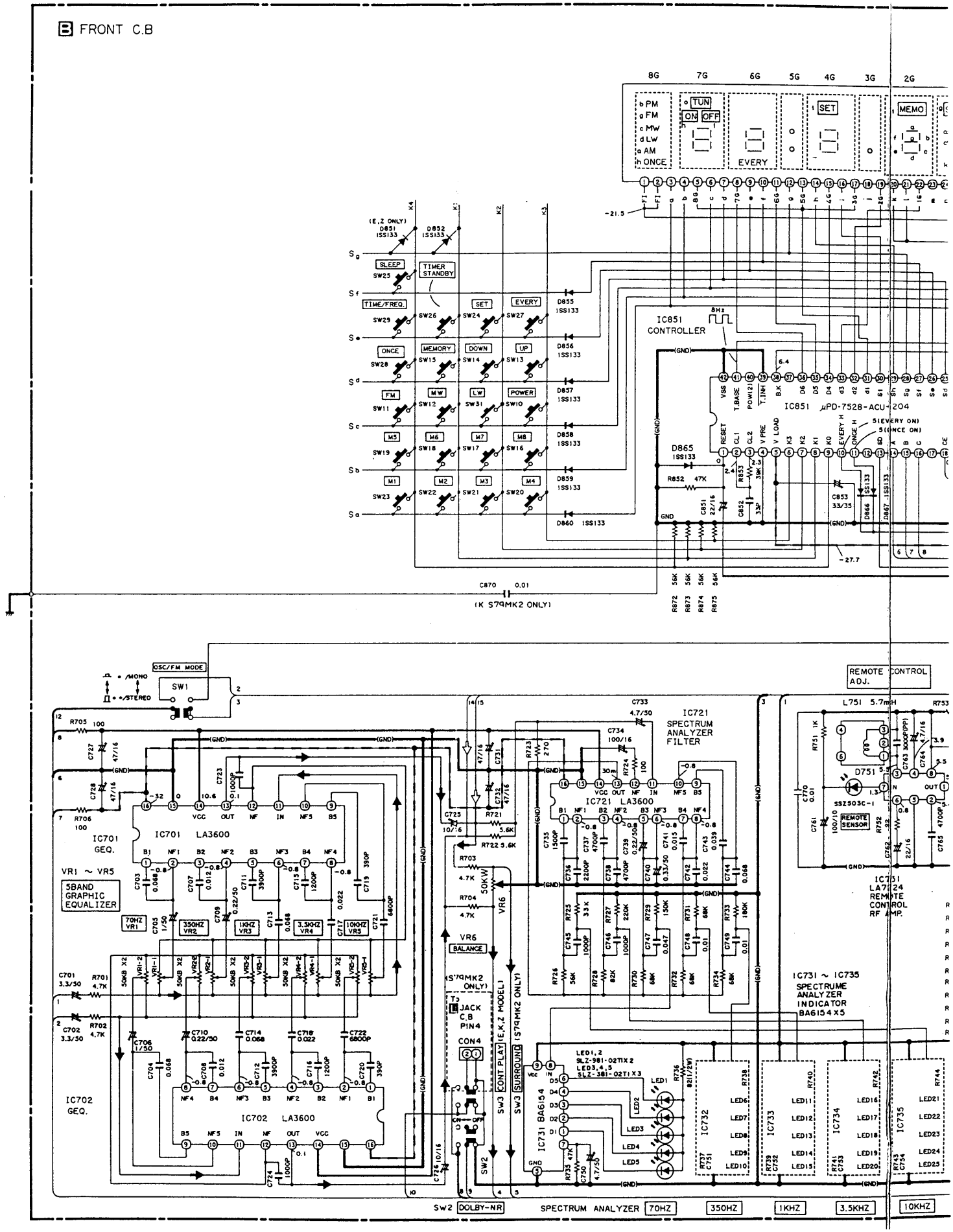

A MAIN C.B
Q108.109 AF AMP.
Q110 2SC945P
Q109 2SC945P
Q112 2SC2001K
Q111.112 MUTE.
Q111 2SC2001K
L106
LPF
R CH OUT
L CH OUT
TP-L
TP-R
TP GND
DI03 HZ-6B1
FUNCTION OUTPUT BUFFER
IC505 FUNCTION SW.
IC505 TC4051BP
IC506 TC4051BP
VR501 INPUT LEVEL
VCR/AUX
PHONO
CD
SYNC. ON/OFF (AT CD ON)
Q519 DTC114 YS
D522 1SS133
D521 1SS133
Q518 DTA144ES
IC503 POWER AMP.
IC 503 STK4162 II
PROTECTION CIRCUIT DRIVER
RY501
Q503 2SC945P
Q504
Q505 2SA1015GR
IC504 PROTECTION CIRCUIT
μPC1237H
OVER CURRENT DET.AMP.
POWER CONT. (AT FU.CD CD.POWER ON)
SURROUND SPEAKERS
SPEAKERS
PHONES
JACK C.B
(E,K,Z ONLY)
KBPC602L
T1 (PT)
SW502 POWER
E,Z : AC 220V 50/60Hz
K,S79MK2 ONLY: AC 240V 50/60Hz
Q506.507 ELECTRONIC TUNING VOLTAGE CONST.
Q509.510 SMALL SIGNAL AMP. VOLTAGE CONST.
Q511 FL DISPLAY VOLTAGE CONST.
Q512 CPU.VOLTAGE CONST.
MOTOR.MECHA LOGIC VOLTAGE CONST.
Q513
Q514 SMALL SIGNAL CIRCUIT VOLTAGE CONST.
Q517 TUNER VOLTAGE CONST.
ERROR DET. Q516 2SC945P
Z ONLY
2.7K
10K
3.3K
1.8K
5.6K
8200P

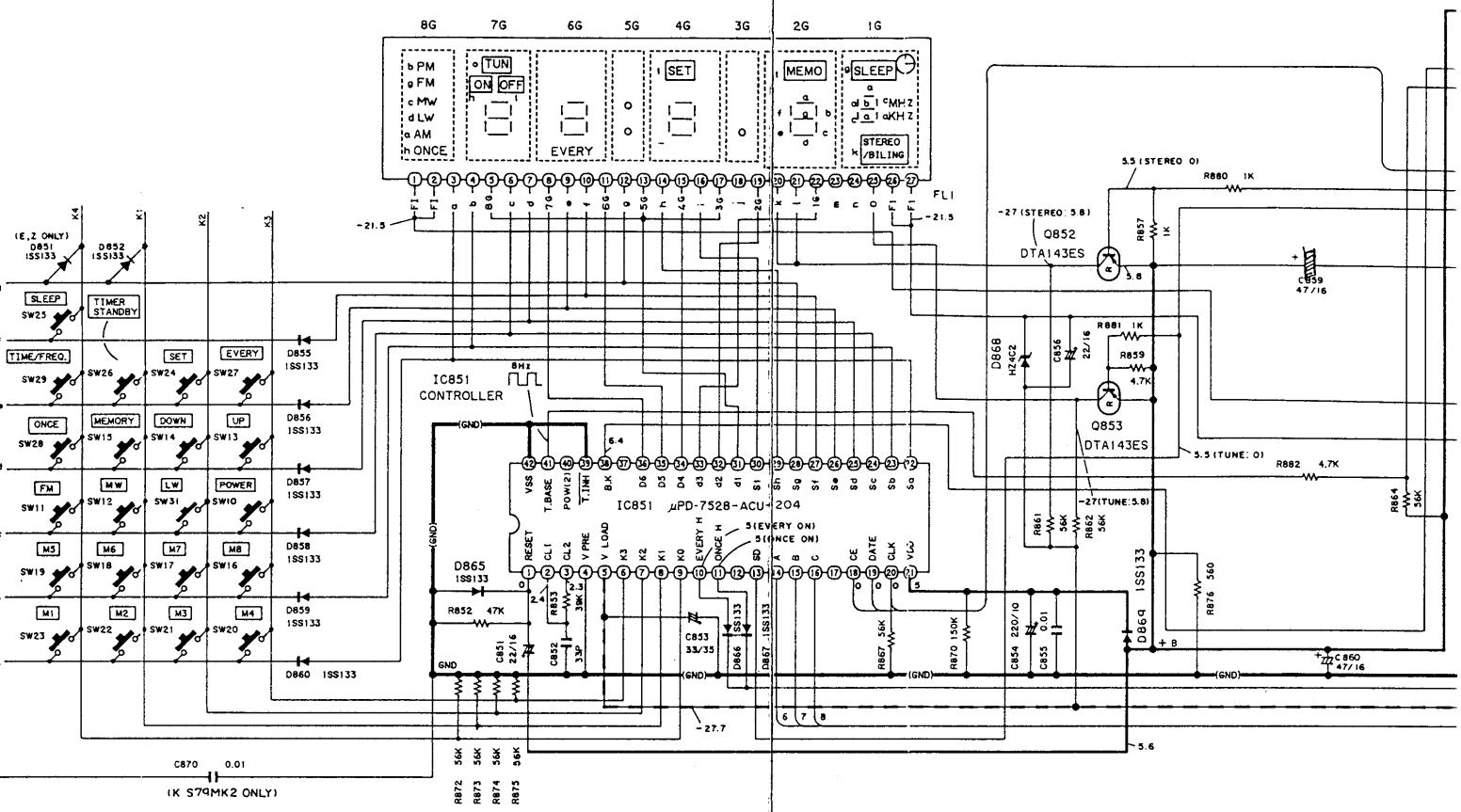

D JACK C.B (E,K,Z ONLY)
J4 PHONES
TO C LOGIC C.B PIN12
CON12
CASSETTE LIGHT
LED904 (DECK-2)
LED905 (DECK-1)
E LED C.B
To DECK-1 C.B PIN93
LED903
LED901
LED902
REV PLAY
DOLBY NR
PLAY
C LOGIC C.B
A MAIN C.B
(Z ONLY)
C150
To E FRONT C.B CON3
To E FRONT C.B CON2
To E FRONT C.B CON1
To A MAIN C.B CON13, CON14
B JACK C.B (S79MK2 ONLY)
J4 PHONES

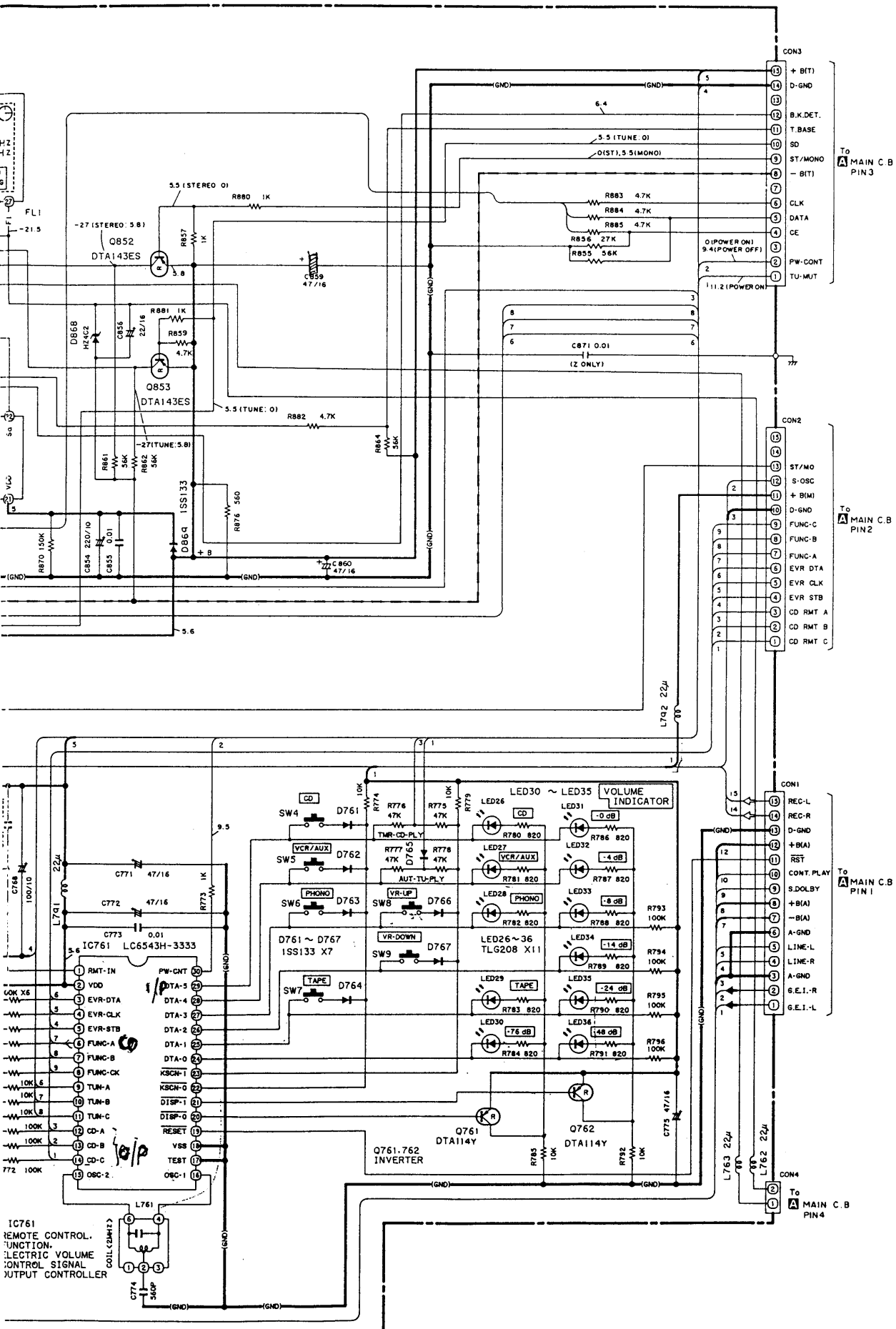

A MAIN C.B
FRONT END C.B
FRONT END Z C.
LOGIC C.B
JACK C.B (S79MK2 ONLY)
(Z ONLY)
(E,K,S79MK2 ONLY)
TEST POINT
To A MAIN C.B CON13, CON14
J4 PHONES

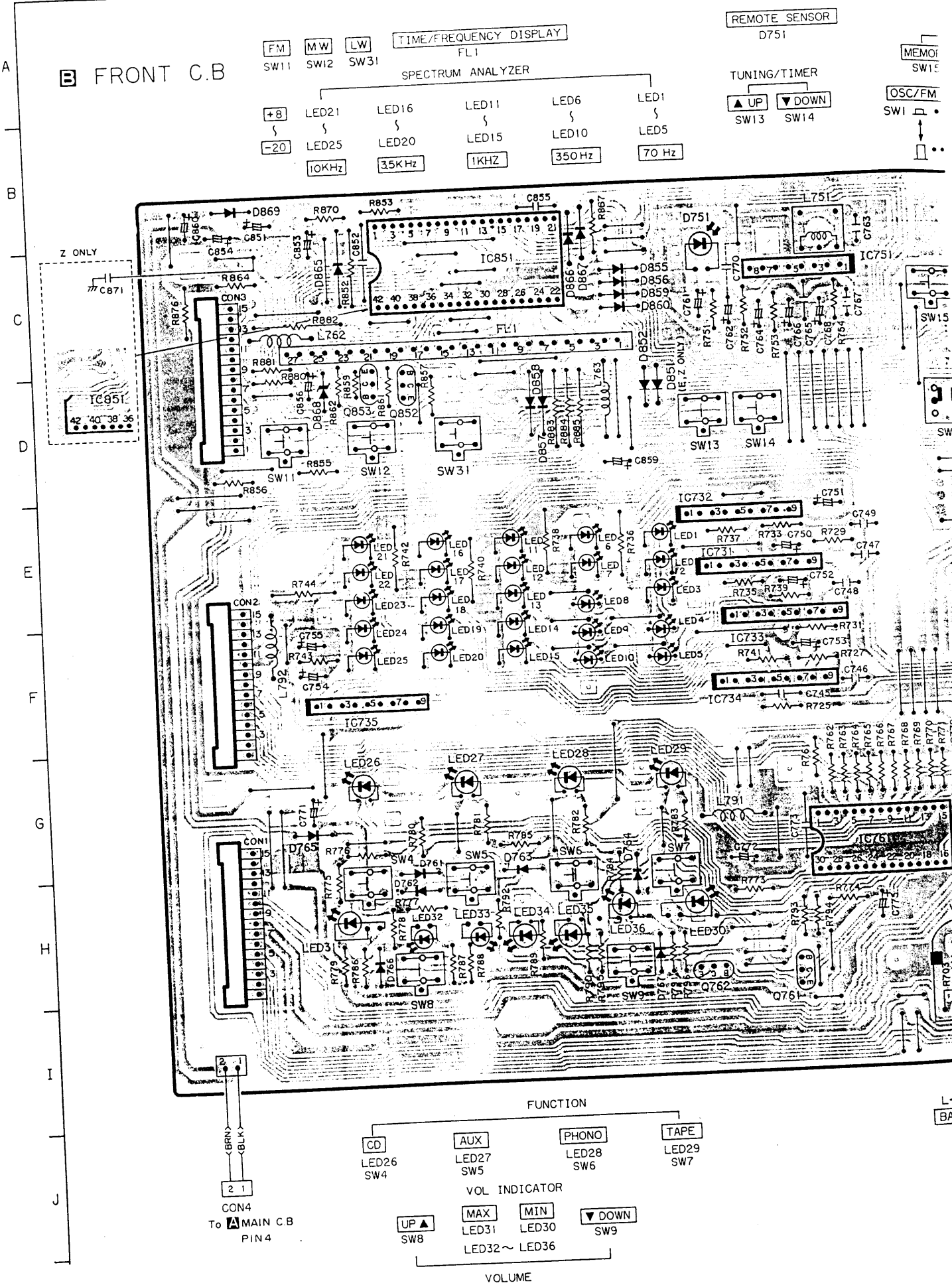

FRONT END C.B (E,K,S79MK2)
FRONT END Z C.B (Z)
ANTENNA
AM LOOP
FM 75Ω (E,K,S79MK2 ONLY)
FM 300Ω (E,K,S79MK2 ONLY)
L-TYPE CABLE (Z ONLY)
FM 75Ω
VR501
INPUT LEVEL
J1
VCR/AUX
J2
PHONO
J3
CD
J5 (L-CH)
SURROUND SPEAKERS
J6 (R-CH)
J7
SPEAKERS
LOGIC C.B
IC101
IC301
IC302
IC306
IC501
IC504
IC505
IC506
RY501
SFR101
SFR1
SFR2
F1
F2
F3
F6
F7
TEST POINT

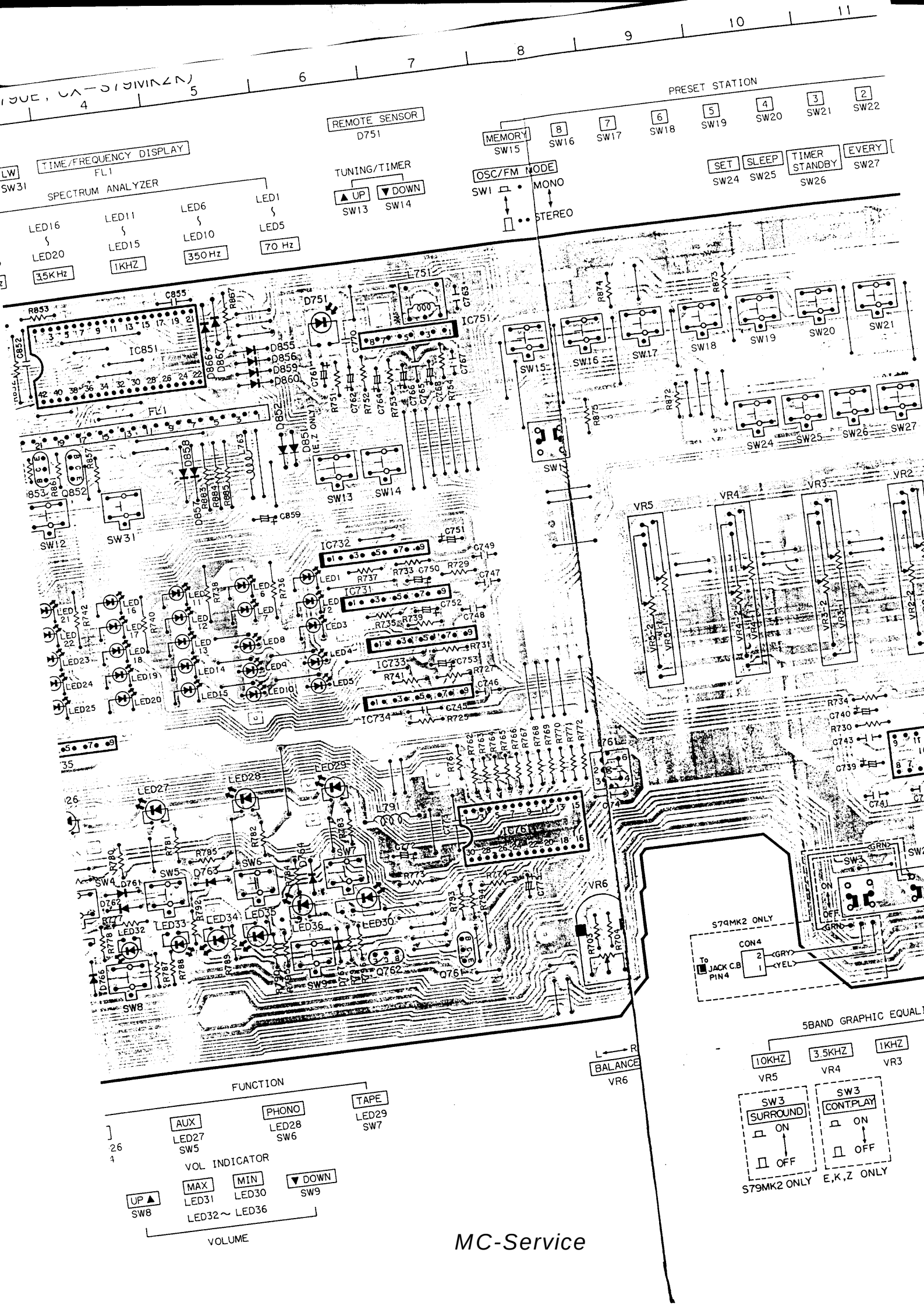
MC-Service

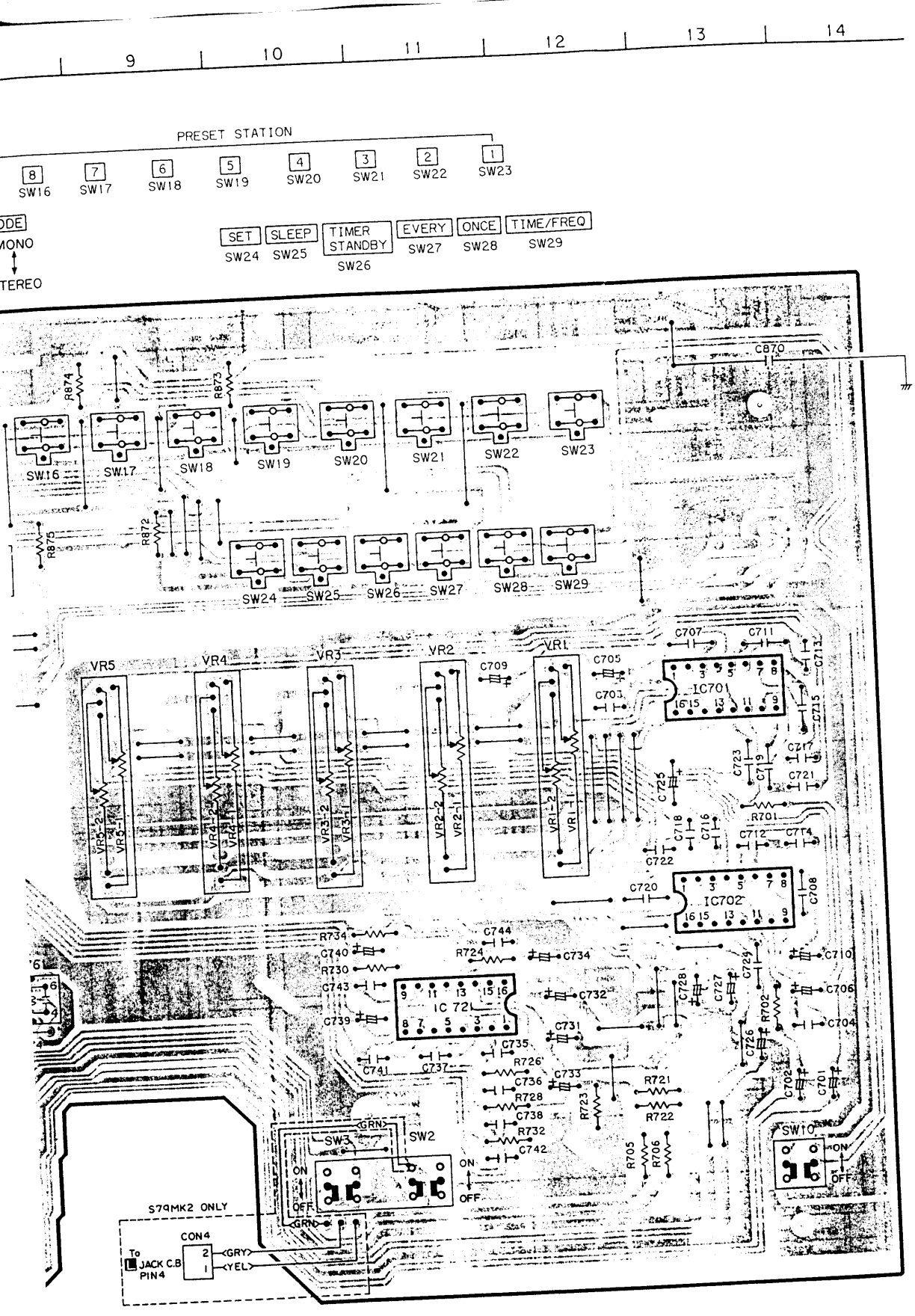

B FRONT C.B
IC851 CONTROLLER
IC851 μPD-7528-ACU-204
IC721 SPECTRUM ANALYZER FILTER
IC721 LA3600
IC701 LA3600
IC701 GEQ.
IC702 LA3600
IC702 GEQ.
5BAND GRAPHIC EQUALIZER
VR1 ~ VR5
VR6 BALANCE
OSC/FM MODE
REMOTE CONTROL ADJ.
IC731 LA7124 REMOTE CONTROL RF AMP.
IC731 ~ IC735 SPECTRUME ANALYZER INDICATOR BA6154X5
IC731 BA6154
SPECTRUM ANALYZER
SW2 DOLBY-NR
70HZ
350HZ
1KHZ
3.5KHZ
10KHZ
(E,Z ONLY)
(K S79MK2 ONLY)
SLEEP
TIMER STANDBY
TIME/FREQ.
SET
EVERY
ONCE
MEMORY
DOWN
UP
FM
MW
LW
POWER
M1
M2
M3
M4
M5
M6
M7
M8
TUN
ON OFF
MEMO
REMOTE SENSOR
CON4
JACK C.B PIN4
CONT.PLAY
SURROUND
D751 SS2503C-1
L751 5.7mH


IC851 CONTROLLER
IC851 μPD-7528-ACU-204
IC721 LA3600
SPECTRUM ANALYZER FILTER
IC731 BA6154
IC732
IC733
IC734
IC735
SPECTRUM ANALYZER INDICATOR
8A6154 X5
IC731 ~ IC735
IC761 LC6543H-3333
IC761 REMOTE CONTROL. FUNCTION. ELECTRIC VOLUME CONTROL SIGNAL OUTPUT CONTROLLER
IC751 LA7124 REMOTE CONTROL RF AMP.
REMOTE CONTROL ADJ.
Q852 DTA143ES
Q853 DTA143ES
Q761.762 INVERTER
SW2 DOLBY-NR
SPECTRUM ANALYZER 70HZ 350HZ 1KHZ 3.5KHZ 10KHZ

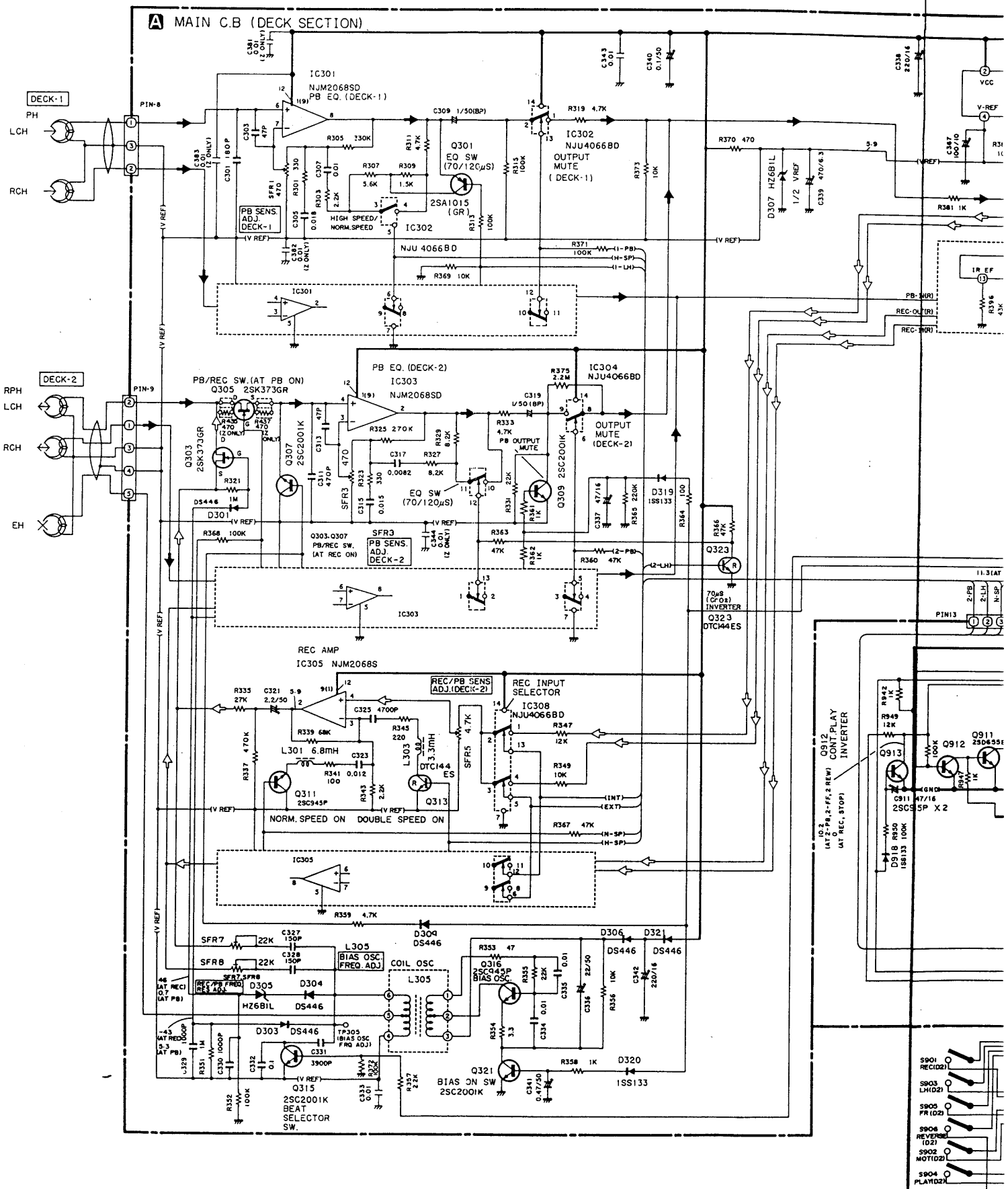

CON3
+ B(T)
D-GND
B.K.DET.
T.BASE
SD
ST/MONO
- B(T)
CLK
DATA
CE
PW-CONT
TU-MUT
To A MAIN C.B PIN3
CON2
ST/MO
S-OSC
+ B(M)
D-GND
FUNC-C
FUNC-B
FUNC-A
EVR DTA
EVR CLK
EVR STB
CD RMT A
CD RMT B
CD RMT C
To A MAIN C.B PIN2
CON1
REC-L
REC-R
D-GND
+B(A)
RST
CONT. PLAY
S.DOLBY
+B(A)
-B(A)
A-GND
LINE-L
LINE-R
A-GND
G.E.I.-R
G.E.I.-L
To A MAIN C.B PIN1
CON4
To A MAIN C.B PIN4
LED30 ~ LED35 VOLUME INDICATOR
IC761 LC6543H-3333
D761 ~ D767 1SS133 X7
LED26~36 TLG208 X11
Q761 DTA114Y
Q762 DTA114Y
Q761.762 INVERTER
Q852 DTA143ES
Q853 DTA143ES
IC761 REMOTE CONTROL. FUNCTION. ELECTRIC VOLUME CONTROL SIGNAL OUTPUT CONTROLLER


WIRING-2 (CA-S790E,K,Z, CA-790E, CA-S79MK2K)
B FRONT C.B
FM SW11
MW SW12
LW SW31
TIME/FREQUENCY DISPLAY
FL1
SPECTRUM ANALYZER
+8 ~ -20
LED21 ~ LED25
10KHz
LED16 ~ LED20
3.5KHz
LED11 ~ LED15
1KHZ
LED6 ~ LED10
350Hz
LED1 ~ LED5
70 Hz
REMOTE SENSOR
D751
TUNING/TIMER
▲ UP SW13
▼ DOWN SW14
MEMO SW15
OSC/FM SW1
Z ONLY
C871
IC851
CON3
CON2
CON1
FL1
L762
L751
IC751
IC732
IC731
IC733
IC734
IC735
IC761
L791
L792
SW11
SW12
SW31
SW13
SW14
SW4
SW5
SW6
SW7
SW8
SW9
Q761
Q762
FUNCTION
CD LED26 SW4
AUX LED27 SW5
PHONO LED28 SW6
TAPE LED29 SW7
VOL INDICATOR
UP ▲ SW8
MAX LED31
MIN LED30
▼ DOWN SW9
LED32 ~ LED36
VOLUME
CON4
To A MAIN C.B
PIN4
BRN
BLK
BALAN
VR6

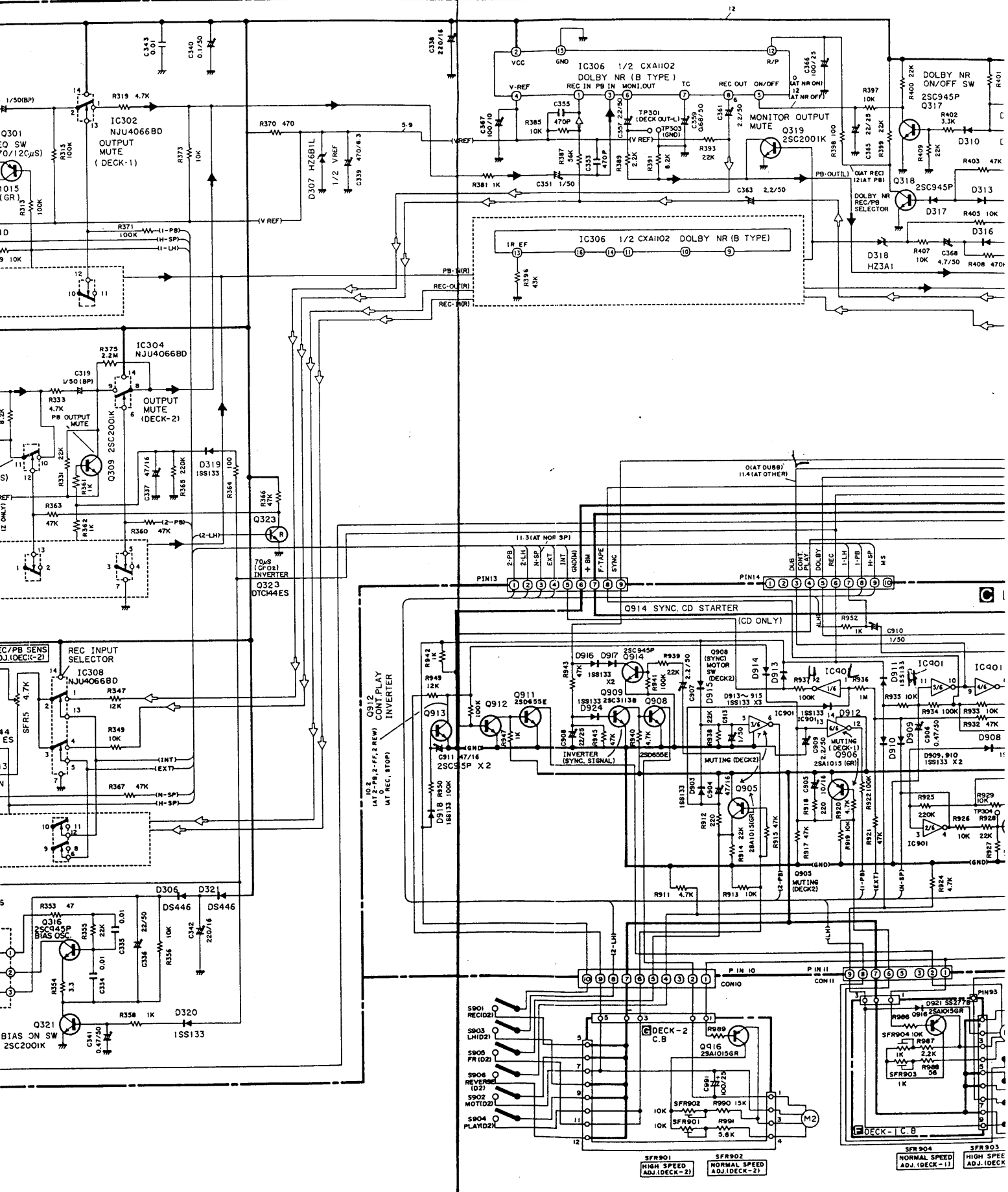

PRESET STATION
REMOTE SENSOR
D751
TIME/FREQUENCY DISPLAY
FL1
SPECTRUM ANALYZER
TUNING/TIMER
OSC/FM MODE
MEMORY
SW15
SW16
SW17
SW18
SW19
SW20
SW21
SW22
SET
SLEEP
TIMER STANDBY
EVERY
SW24
SW25
SW26
SW27
SW1
MONO
STEREO
SW31
SW12
SW13
SW14
IC851
IC751
IC732
IC731
IC733
IC734
IC761
VR5
VR4
VR3
VR2
VR6
BALANCE
FUNCTION
AUX
PHONO
TAPE
VOL INDICATOR
MAX
MIN
DOWN
UP
VOLUME
S79MK2 ONLY
CON4
JACK C.B
5BAND GRAPHIC EQUALI
10KHZ
3.5KHZ
1KHZ
SURROUND
CONT.PLAY
ON
OFF
E,K,Z ONLY

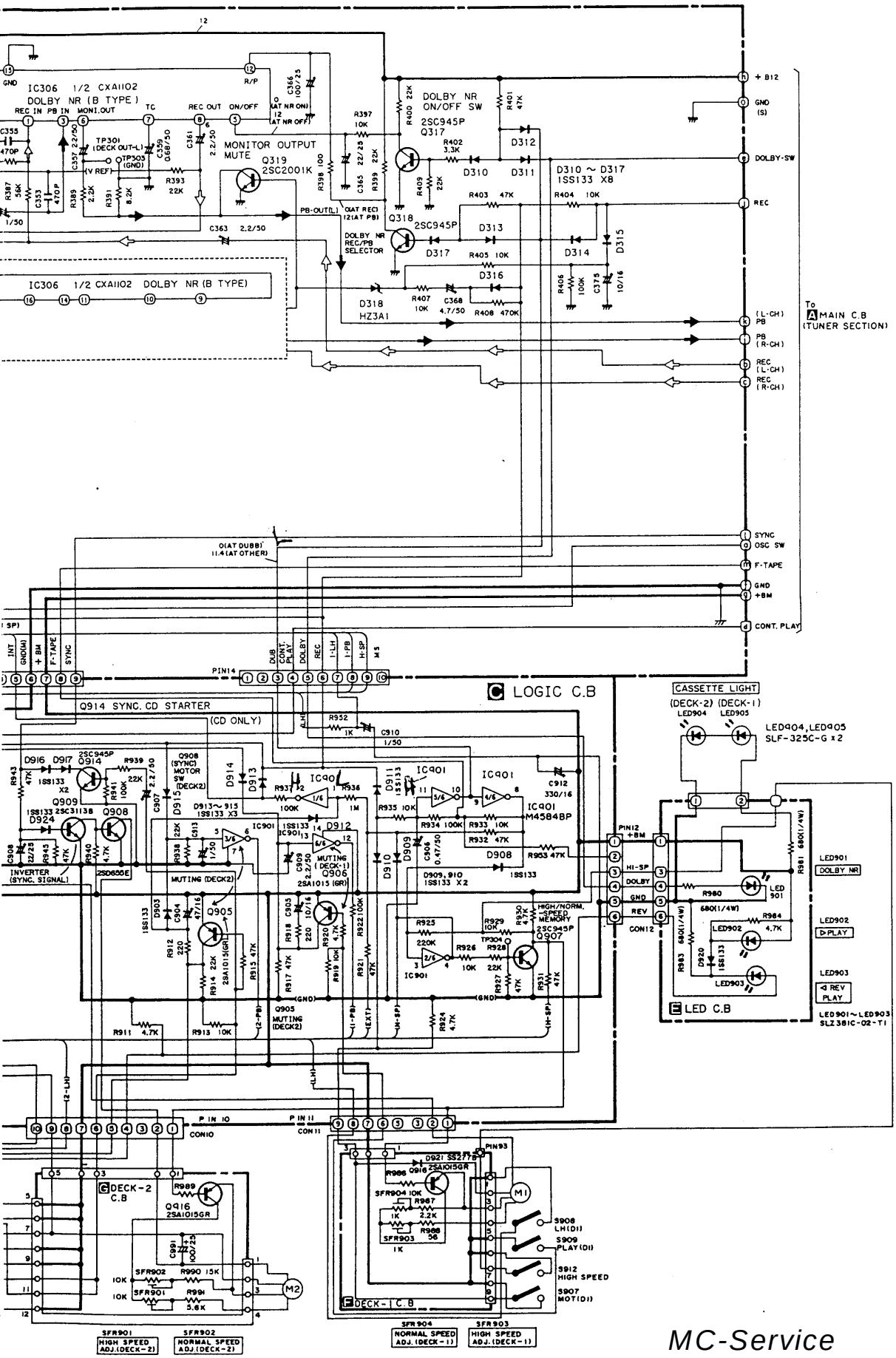

9
10
11
12
13
14
PRESET STATION
8 SW16
7 SW17
6 SW18
5 SW19
4 SW20
3 SW21
2 SW22
1 SW23
SET SW24
SLEEP SW25
TIMER STANDBY SW26
EVERY SW27
ONCE SW28
TIME/FREQ SW29
MONO
STEREO
C870
R874
R873
R875
R872
SW16
SW17
SW18
SW19
SW20
SW21
SW22
SW23
SW24
SW25
SW26
SW27
SW28
SW29
VR5
VR4
VR3
VR2
VR1
C709
C705
C703
C707
C711
C713
C715
IC701
C723
C719
C717
C721
C725
R701
C718
C716
C712
C714
C722
C720
IC702
C708
R734
C744
C740
R724
C734
R730
C743
IC 72
C732
C739
C731
C710
C729
C728
C727
C706
R702
C704
C735
C741
C737
R726
C736
C733
R728
C738
R732
C742
R723
R721
R722
R705
R706
C726
C702
C701
SW10
ON
OFF
SW3
GRN
SW2
ON
OFF
S79MK2 ONLY
CON4
To JACK C.B PIN4
GRY
YEL
5BAND GRAPHIC EQUALIZER
10KHZ VR5
3.5KHZ VR4
1KHZ VR3
350HZ VR2
70HZ VR1
+10
-10
SW3 SURROUND ON OFF
S79MK2 ONLY
SW3 CONT.PLAY ON OFF
E,K,Z ONLY
SW2 DOLBY NR ON OFF
SW10 POWER STANDBY/ON ON OFF

MC-Service

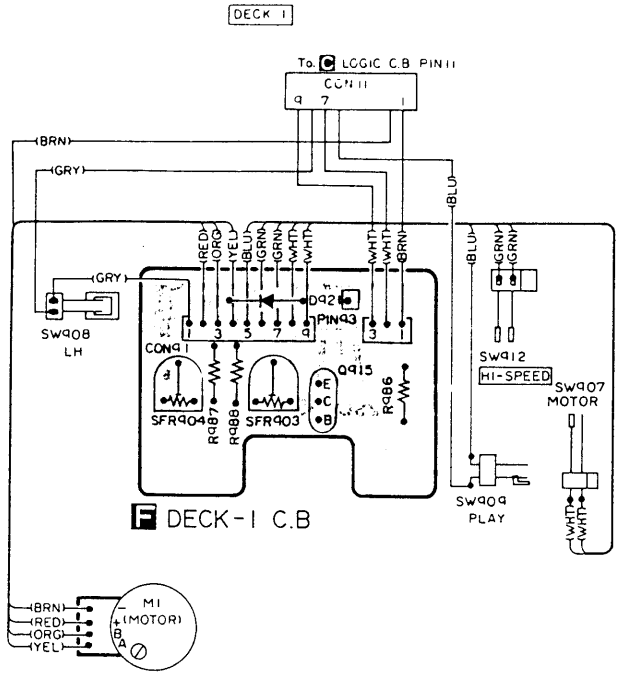

A MAIN C.B (DECK SECTION)
DECK-1
PH
LCH
RCH
PIN-8
IC301
NJM2068SD
PB EQ. (DECK-1)
Q301
EQ SW
(70/120μS)
2SA1015
(GR)
IC302
NJU4066BD
OUTPUT
MUTE
(DECK-1)
PB SENS.
ADJ.
DECK-1
HIGH SPEED/
NORM.SPEED
(V REF)
DECK-2
RPH
LCH
RCH
EH
PIN-9
PB/REC SW.(AT PB ON)
Q305 2SK373GR
Q303
2SK373GR
Q307
2SC2001K
PB EQ. (DECK-2)
IC303
NJM2068SD
IC304
NJU4066BD
OUTPUT
MUTE
(DECK-2)
PB OUTPUT
MUTE
EQ SW
(70/120μS)
Q309 2SC2001K
D301
DS446
Q303.Q307
PB/REC SW.
(AT REC ON)
SFR3
PB SENS.
ADJ.
DECK-2
REC AMP
IC305 NJM2068S
REC/PB SENS.
ADJ.(DECK-2)
REC INPUT
SELECTOR
IC308
NJU4066BD
L301 6.8mH
Q311
2SC945P
DTC144
ES
Q313
NORM. SPEED ON
DOUBLE SPEED ON
(INT)
(EXT)
SFR7
SFR8
BIAS OSC.
FREQ. ADJ.
L305
COIL OSC
Q316
2SC945P
BIAS OSC.
D305
HZ6BIL
D304
DS446
D303
DS446
D306
DS446
D32
DS446
TP305
(BIAS OSC
FRQ ADJ)
Q315
2SC2001K
BEAT
SELECTOR
SW.
Q321
BIAS ON SW
2SC2001K
D320
1SS133
Q323
DTC144ES
70μS
(CrO2)
INVERTER
Q912
CONT.PLAY
INVERTER
Q913
Q911
2SD635E
2SC945P X2
S901
REC(D2)
S903
LH(D2)
S905
FR(D2)
S906
REVERSE
(D2)
S902
MOT(D2)
S904
PLAY(D2)

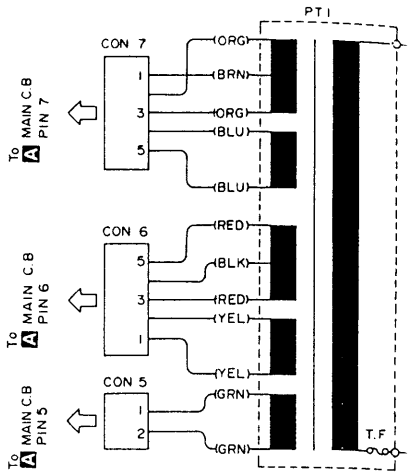
MC-Service

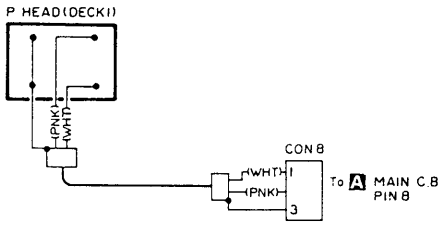

IC306 1/2 CXA1102 DOLBY NR (B TYPE)
IC302 NJU4066BD OUTPUT MUTE (DECK-1)
IC304 NJU4066BD OUTPUT MUTE (DECK-2)
IC308 NJU4066BD REC INPUT SELECTOR
MONITOR OUTPUT MUTE Q319 2SC2001K
DOLBY NR ON/OFF SW Q317 2SC945P
DOLBY NR REC/PB SELECTOR
Q914 SYNC. CD STARTER (CD ONLY)
Q912 CONT.PLAY INVERTER
Q323 DTC144ES
Q321 BIAS ON SW 2SC2001K
Q316 2SC945P BIAS OSC.
Q905 MUTING (DECK2)
Q906 2SA1015 (GR)
Q916 2SA1015GR
INVERTER (SYNC. SIGNAL)
MUTING (DECK2)
MUTING (DECK-1)
DECK-2 C.B
DECK-1 C.B
SFR901 HIGH SPEED ADJ.(DECK-2)
SFR902 NORMAL SPEED ADJ.(DECK-2)
SFR904 NORMAL SPEED ADJ.(DECK-1)
SFR903 HIGH SPEED ADJ.(DECK-1)

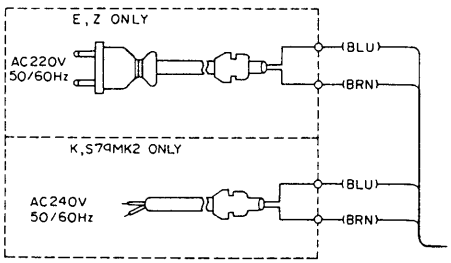

IC306 1/2 CXA1102
DOLBY NR (B TYPE)
REC IN PB IN MONI.OUT
TC
REC OUT ON/OFF
R/P
DOLBY NR ON/OFF SW
2SC945P Q317
MONITOR OUTPUT MUTE
Q319 2SC2001K
D310 ~ D317 1SS133 X8
Q318 2SC945P
DOLBY NR REC/PB SELECTOR
D318 HZ3A1
IC306 1/2 CXA1102 DOLBY NR (B TYPE)
+ B12
GND (S)
DOLBY-SW
REC
(L-CH) PB
PB (R-CH)
REC (L-CH)
REC (R-CH)
To A MAIN C.B (TUNER SECTION)
SYNC
OSC SW
F-TAPE
GND
+ BM
CONT. PLAY
LOGIC C.B
Q914 SYNC. CD STARTER
(CD ONLY)
INVERTER (SYNC. SIGNAL)
MUTING (DECK-2)
MUTING (DECK-1) Q906
Q905 MUTING (DECK-2)
IC901 M4584BP
HIGH/NORM. SPEED MEMORY
CASSETTE LIGHT
(DECK-2) (DECK-1)
LED904 LED905
LED904,LED905 SLF-325C-G x2
LED901 DOLBY NR
LED902 ▷PLAY
LED903 ◁REV PLAY
LED901~LED903 SLZ381C-02-TI
E LED C.B
CONI0
CON11
G DECK-2 C.B
Q916 2SA1015GR
F DECK-1 C.B
S908 LH(D1)
S909 PLAY(D1)
S912 HIGH SPEED
S907 MOT(D1)
SFR901 HIGH SPEED ADJ.(DECK-2)
SFR902 NORMAL SPEED ADJ.(DECK-2)
SFR904 NORMAL SPEED ADJ.(DECK-1)
SFR903 HIGH SPEED ADJ.(DECK-1)

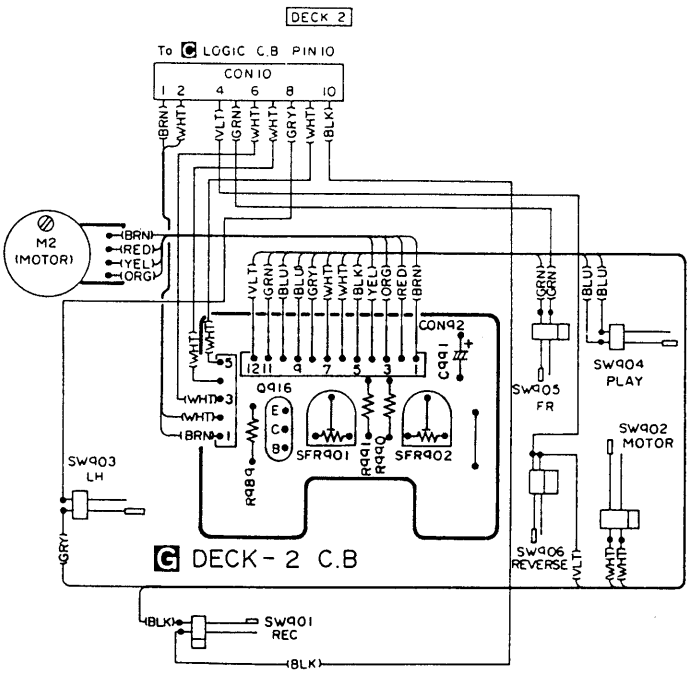
MC-Service

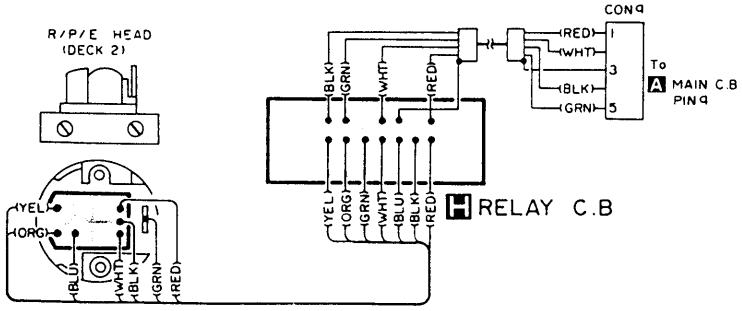

DECK 1
To C LOGIC C.B PIN11
CON11
SW908 LH
SW912 HI-SPEED
SW907 MOTOR
SW909 PLAY
F DECK-1 C.B
M1 (MOTOR)


PT1
CON 7
CON 6
CON 5
To A MAIN C.B PIN 7
To A MAIN C.B PIN 6
To A MAIN C.B PIN 5
T.F


P HEAD(DECK1)
CON8
To A MAIN C.B PIN 8

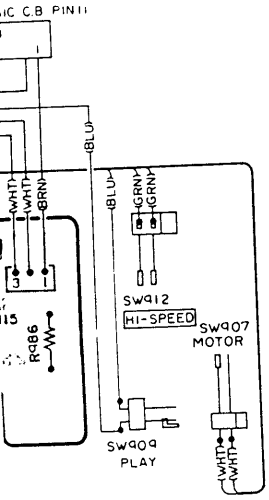

E,Z ONLY
AC220V 50/60Hz
K,S79MK2 ONLY
AC240V 50/60Hz

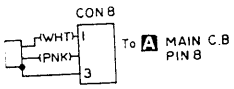

DECK 2
To C LOGIC C.B PIN10
CON10
M2 (MOTOR)
SW903 LH
SW904 PLAY
SW905 FR
SW902 MOTOR
SW906 REVERSE
SW901 REC
G DECK-2 C.B

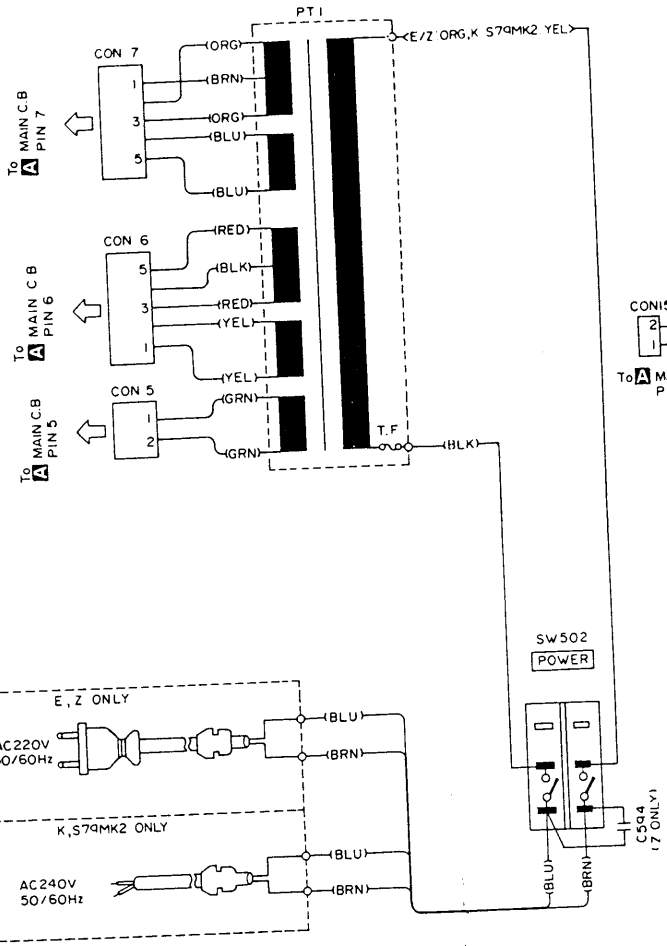

R/P/E HEAD (DECK 2)
CON9
To A MAIN C.B PIN9
H RELAY C.B

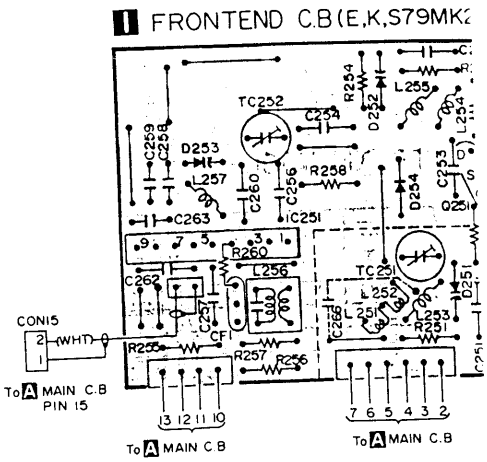
K FRO
ANT COIL
ANT 75Ω

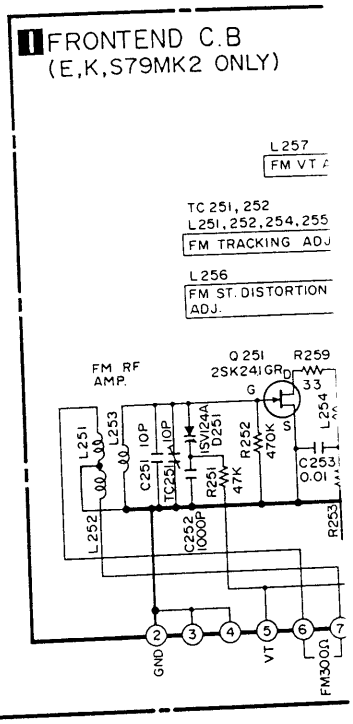
MC-Service



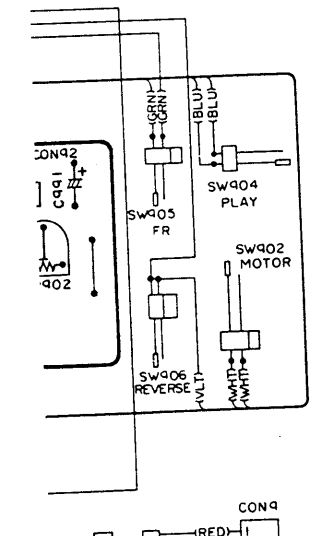


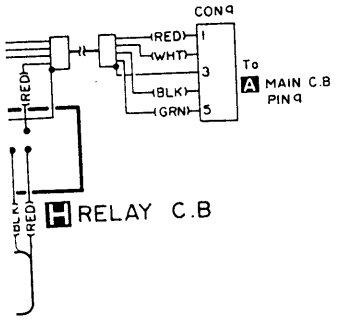




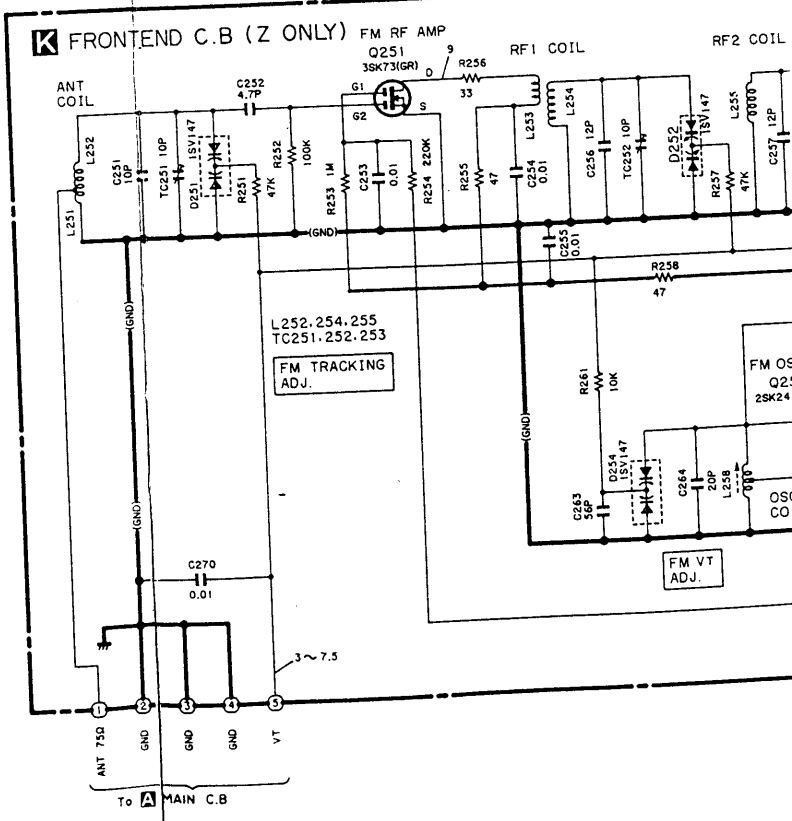


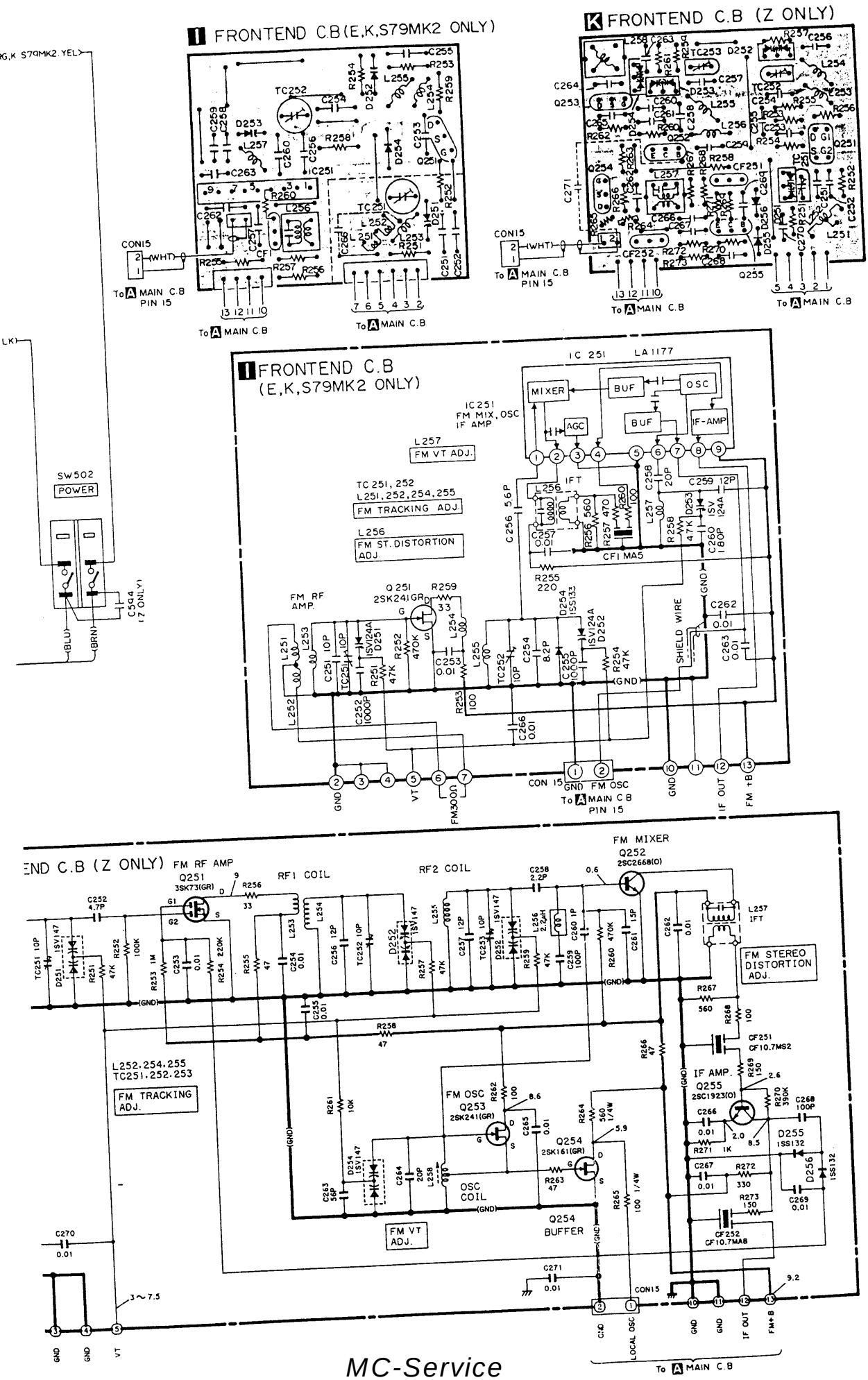
MC-Service





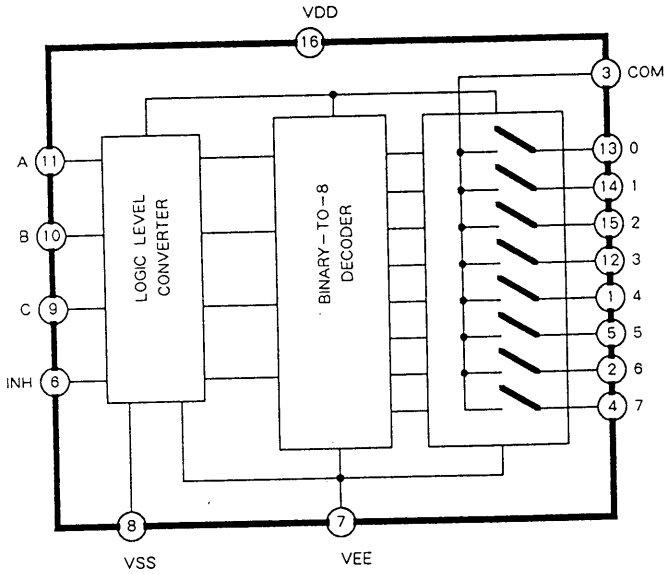
H RELAY C.B




I FRONTEND C.B(E,K,S79MK2 ONLY)
K FRONTEND C.B (Z ONLY)
I FRONTEND C.B
(E,K,S79MK2 ONLY)
IC 251 LA1177
MIXER
BUF
OSC
AGC
BUF
IF-AMP
IC251
FM MIX, OSC
IF AMP
L257
FM VT ADJ.
TC 251, 252
L251, 252, 254, 255
FM TRACKING ADJ.
L256
FM ST. DISTORTION
ADJ.
L256 IFT
CF1 MA5
FM RF
AMP.
Q 251
2SK241GR
R259
33
SHIELD WIRE
GND
CON 15
GND FM OSC
To A MAIN C.B
PIN 15
IF OUT
FM +B
SW502
POWER
CON15
To A MAIN C.B
PIN 15
To A MAIN C.B
FM RF AMP
Q251
3SK73(GR)
RF1 COIL
RF2 COIL
FM MIXER
Q252
2SC2668(O)
L257
IFT
FM STEREO
DISTORTION
ADJ.
L252.254.255
TC251.252.253
FM TRACKING
ADJ.
FM OSC
Q253
2SK241(GR)
Q254
2SK161(GR)
OSC
COIL
FM VT
ADJ.
Q254
BUFFER
IF AMP.
Q255
2SC1923(O)
CF251
CF10.7MS2
CF252
CF10.7MA8
CON15
GND
LOCAL OSC
GND
GND
IF OUT
FM+B
To A MAIN C.B

IC BLOCK DIAGRAM (CX-S790E,K,Z, CX-790E, CX-S79MK2K)

IC,TC4051

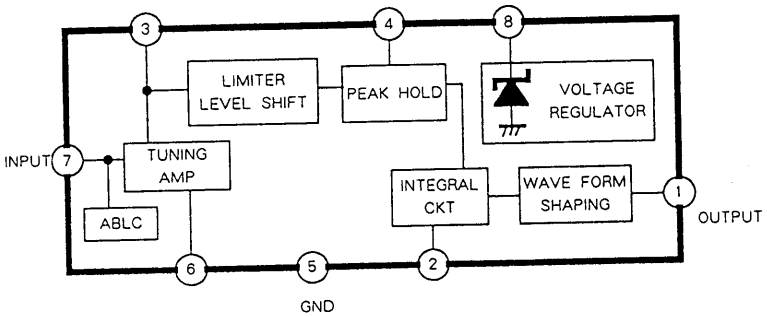


TRUTH TABLE

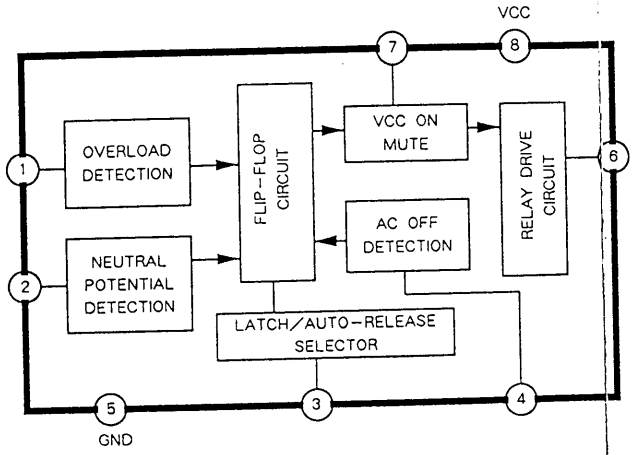
INHIBIT INPUT	CONTROL INPUT			CHANNEL INPUT/OUTPUT SWITCH OF COMMON TERMINAL							
INHIBIT	C	B	A	X0	X1	X2	X3	X4	X5	X6	X7
L	L	L	L	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
L	L	L	H	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
L	L	H	L	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
L	L	H	H	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
L	H	L	L	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
L	H	L	H	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
L	H	H	L	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
L	H	H	H	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
H	X	X	X	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

NOTE. X: "H" OR "L"

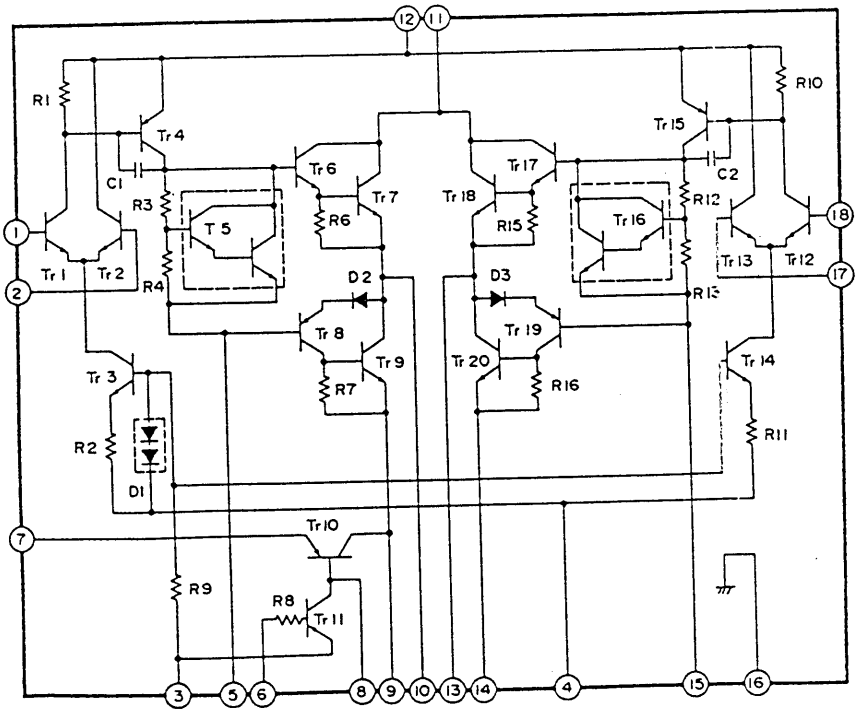
IC,LA7224



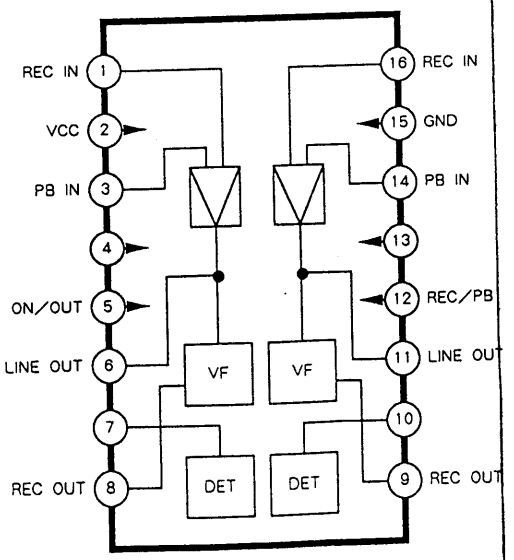
IC,UPC1237H



IC,STK4162MK-2



IC,CXA1102



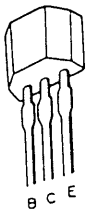
MC-Service

TRUTH TABLE

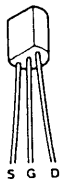
INHIBIT INPUT	CONTROL INPUT			CHANNEL INPUT/OUTPUT SWITCH OF COMMON TERMINAL							
INHIBIT	C	B	A	X0	X1	X2	X3	X4	X5	X6	X7
L	L	L	L	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
L	L	L	H	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
L	L	H	L	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
L	L	H	H	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
L	H	L	L	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
L	H	L	H	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
L	H	H	L	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
L	H	H	H	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
H	X	X	X	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

NOTE. X : "H" OR "L"

2SA952
2SA1015
2SC945
2SC1815
2SC2001
2SC1923

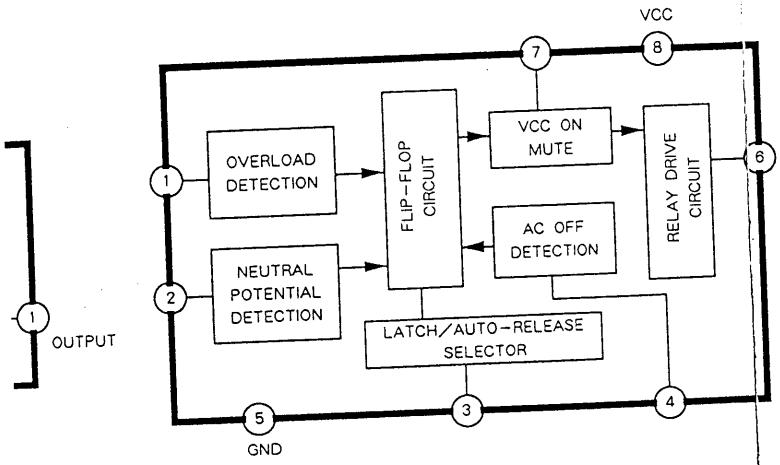


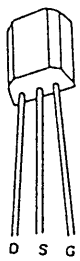
DTA114
DTA143
DTA144
DTC114
DTC144
2SC3113



2SK246
2SK373

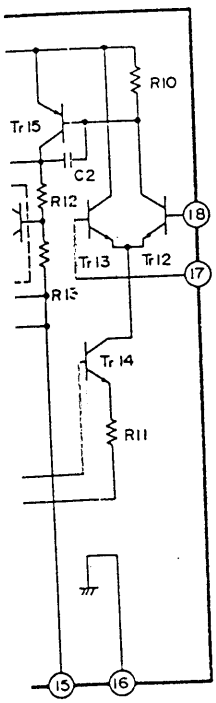
IC,UPC1237H

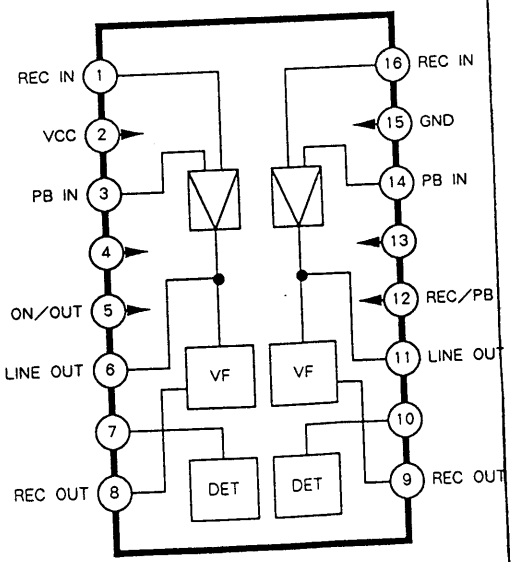




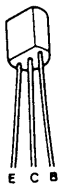
2SK241
2SK161

IC,CXA1102

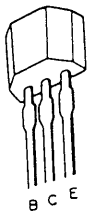




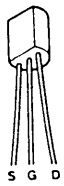
MC-Service



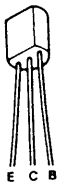
2SA952
2SA1015
2SC945
2SC1815
2SC2001
2SC1923



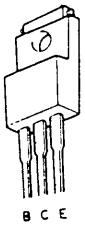
DTA114
DTA143
DTA144
DTC114
DTC144
2SC3113



2SK246
2SK373



2SD655



2SD1761

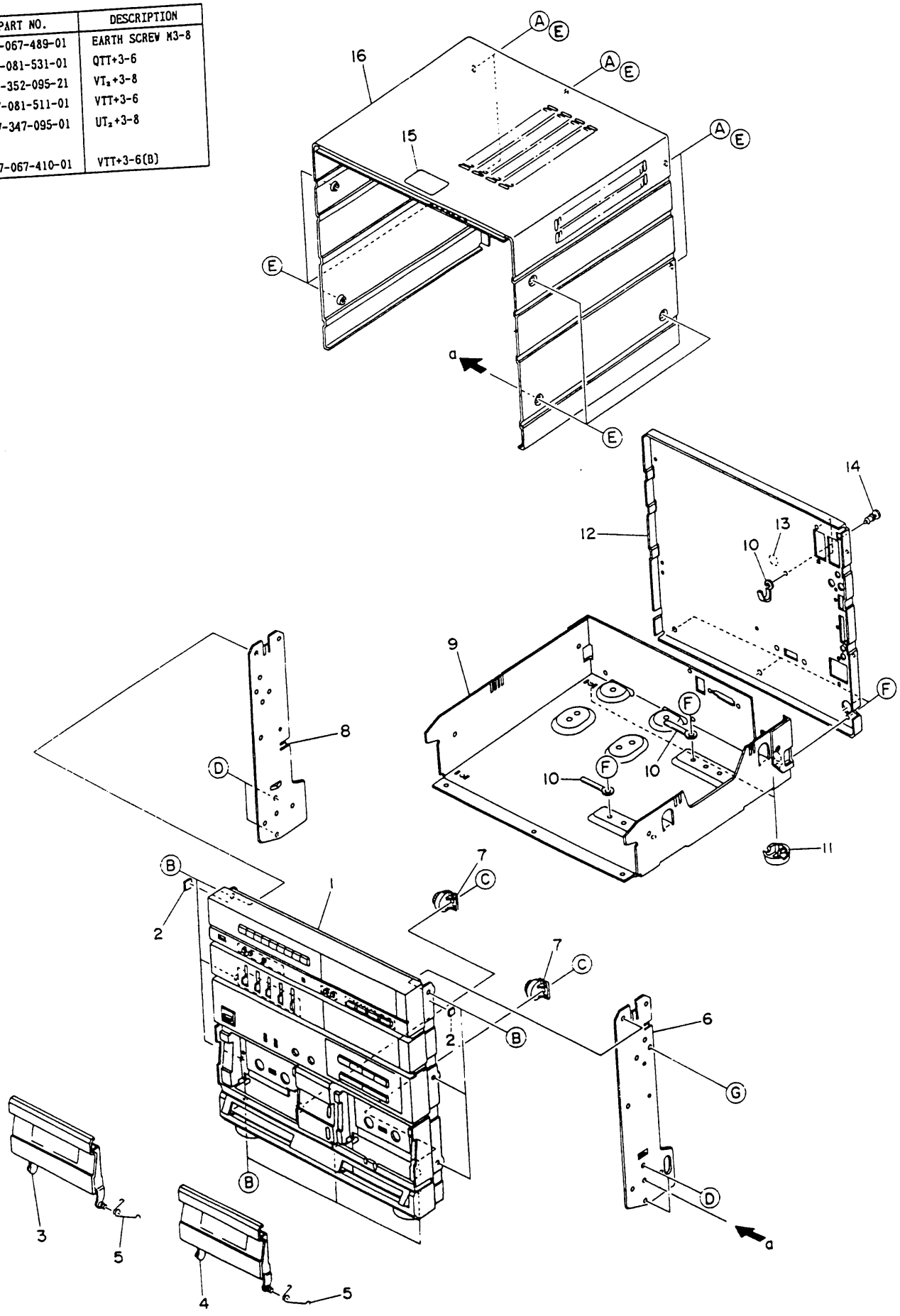
2SA684
2SC1384

2SK241
2SK161

MC-Service

EXPLODED VIEW－1

REF.NO.	PART NO.	DESCRIPTION
A	87-067-489-01	EARTH SCREW M3-8
B	87-081-531-01	QTT+3-6
C	87-352-095-21	VT$_2$+3-8
D	87-081-511-01	VTT+3-6
E	87-347-095-01	UT$_2$+3-8
F	87-067-410-01	VTT+3-6(B)



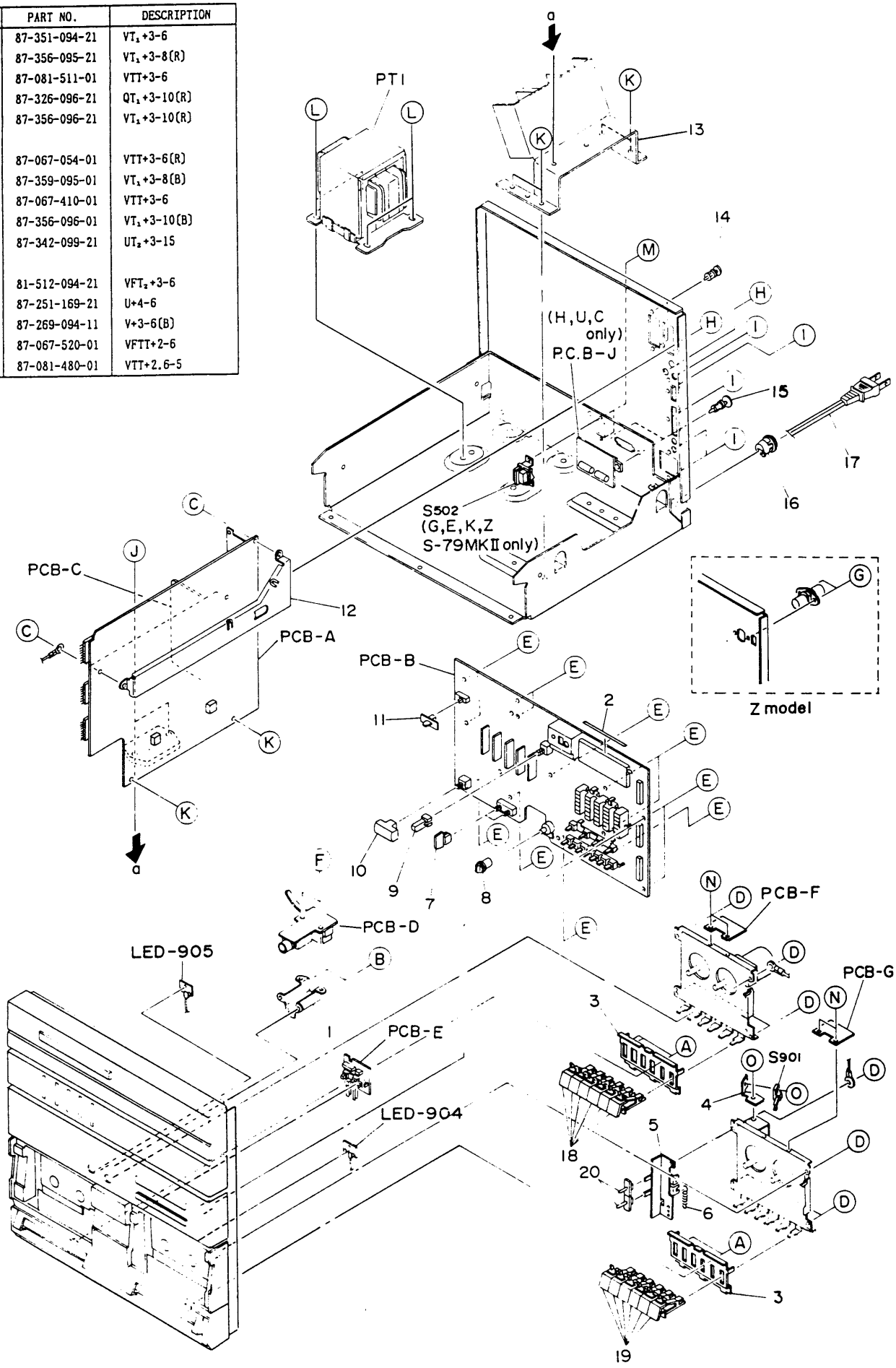
MECHANICAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1-1	★09-047-320-010	CABINET FRONT ASSY(H ONLY)	*	1
	1-1	★09-047-321-010	CABINET FRONT ASSY(U ONLY)	*	1
	1-1	★09-047-322-010	CABINET FRONT ASSY(C ONLY)	*	1
	1-1	★09-047-324-010	CABINET FRONT ASSY(E,K,Z ONLY)	*	1
	1-1	★09-047-323-010	CABINET FRONT ASSY(G ONLY)	*	1
	1-1	★09-047-325-010	CABINET FRONT ASSY(S-79MK2)		2
	1-2	---	SHEET PVC 10-10-0.3	*	1
	1-3	★09-047-326-010	CASSETTE BOX(1) ASSY(EXCEPT S-79MK2)	*	1
	1-3	★09-047-327-010	CASSETTE BOX(1) ASSY(S-79MK2)	*	1
	1-4	★09-047-328-010	CASSETTE BOX(2) ASSY(EXCEPT S-79MK2)	*	1
	1-4	★09-047-329-010	CASSETTE BOX(2) ASSY(S-79MK2)	*	2
	1-5	★81-629-204-019	T-SPRING, EJECT	CX-S770	1
	1-6	★81-794-204-110	HOLDER, SIDE R		2
	1-7	87-063-144-010	OIL-DAMPER 37	CX-S770	1
	1-8	★81-794-205-110	HOLDER, SIDE L		1
	1-9	---	CHASSIS, AMP		2
	1-10	---	WIRE BINDER		2
	1-11	★87-055-055-010	FOOT	*	1
	1-12	★81-629-016-010	PANEL, REAR(H ONLY)	*	1
	1-12	★81-629-017-010	PANEL, REAR(U ONLY)	*	1
	1-12	★81-629-018-010	PANEL, REAR(C ONLY)	*	1
	1-12	★81-629-019-010	PANEL, REAR(E ONLY)	*	1
	1-12	★81-629-020-010	PANEL, REAR(K ONLY)	*	1
	1-12	★81-629-021-010	PANEL, REAR(G ONLY)	*	1
	1-12	★81-629-022-010	PANEL, REAR(Z ONLY)	*	1
	1-12	★81-629-046-010	PANEL, REAR(S-79MK2)		1
	1-13	---	LABEL, CSA		1
	1-14	★87-084-077-019	NYLON, RIVET DIA 3.5-4.5		1
	1-15	---	LABEL TEMP H	*	1
	1-16	★81-629-025-010	CABINET, STEEL(H,U C G ONLY)	*	1
	1-16	★81-629-028-018	CABINET, STEEL(E,K Z ONLY)(S-79MK2)	*	1

MC-Service

EXPLODED VIEW—2

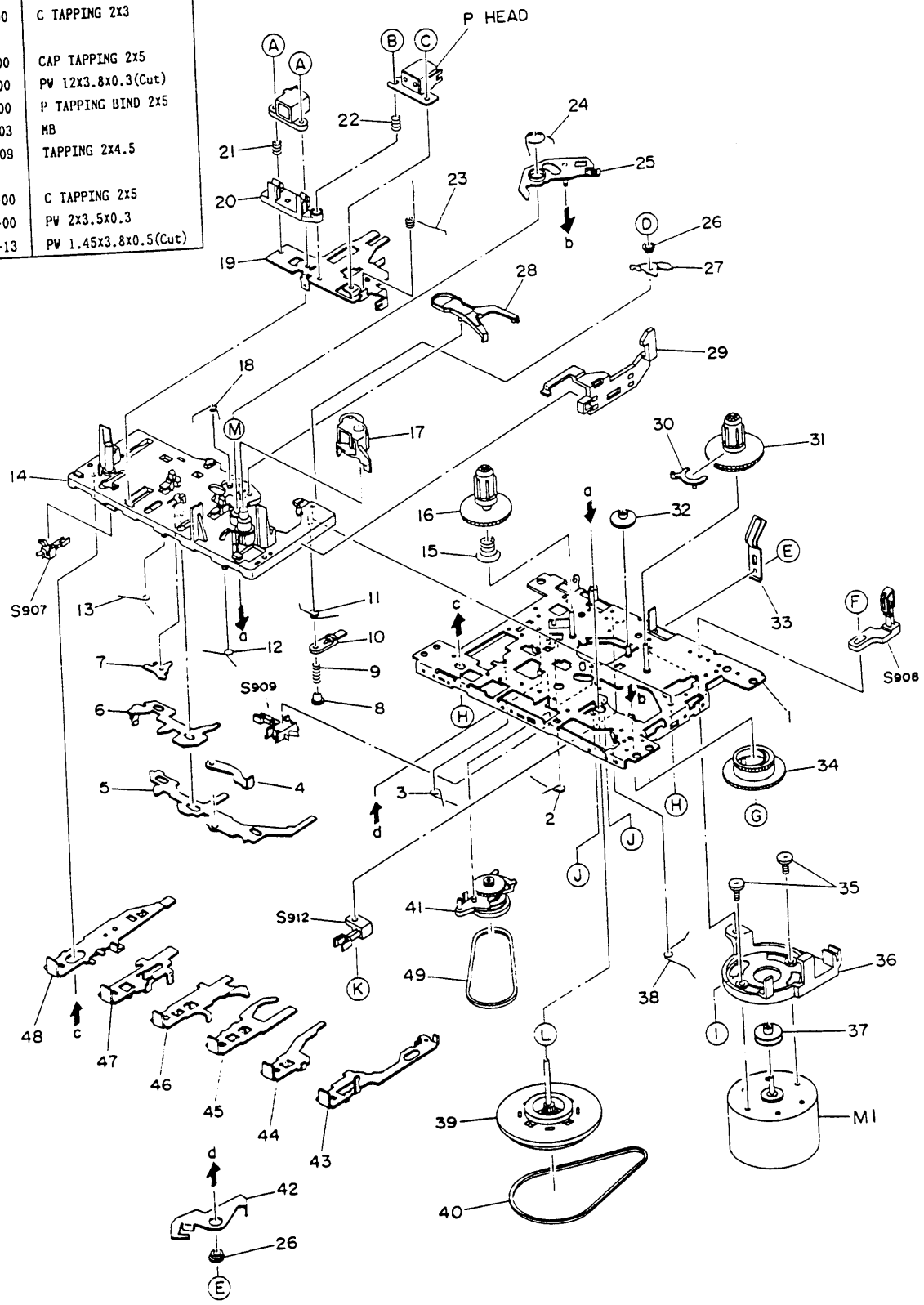
REF.NO.	PART NO.	DESCRIPTION
A	87-351-094-21	VT_1+3-6
B	87-356-095-21	VT_1+3-8(R)
C	87-081-511-01	VTT+3-6
D	87-326-096-21	QT_1+3-10(R)
E	87-356-096-21	VT_1+3-10(R)
F	87-067-054-01	VTT+3-6(R)
G	87-359-095-01	VT_1+3-8(B)
H	87-067-410-01	VTT+3-6
I	87-356-096-01	VT_1+3-10(B)
J	87-342-099-21	UT_2+3-15
K	81-512-094-21	VFT_2+3-6
L	87-251-169-21	U+4-6
M	87-269-094-11	V+3-6(B)
N	87-067-520-01	VFTT+2-6
O	87-081-480-01	VTT+2.6-5



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	2-1	★81-794-215-110	HOLDER HP(H,U,C,G ONLY)	CX-S770	1
	2-1	★81-794-215-118	HOLDER HP(E,K,Z ONLY)(S-79MK2)	CX-S770	1
	2-2	★81-794-236-010	SHEET, FL	CX-S770	1
	2-3	★81-629-202-019	HOLDER, PUSH-KEY	*	2
	2-4	---	HOLDER, REC		2
	2-5	★81-629-212-119	LEVER, ASSY	*	1
	2-6	★81-629-211-019	E-SPRING, DIRECTION	*	1
	2-7	★81-794-023-010	PUSH-BUTTON, DSL	CX-S770	2
	2-8	★81-794-032-019	KNOB BALANCE	CX-S770	1
	2-9	★81-794-031-119	PUSH-BUTTON, ST	CX-S770	1
	2-10	★81-794-007-019	PUSH-BUTTON, POWER	CX-S770	1
	2-11	★81-794-034-019	KNOB, SLIDE(H,G ONLY)		1
	2-12	---	HOLDER PCB		1
	2-13	---	HEAT SINK ASSY		2
	2-14	★87-085-102-019	NYLON RIVET 3.5-5.5		2
	2-15	★87-084-063-019	NYLON RIVET 3-5.5(H,U,C ONLY)		1
	2-16	★87-085-184-010	CORD BUSHING(H ONLY)		1
	2-16	★87-085-189-010	CORD BUSHING(U,C ONLY)		1
	2-16	★87-085-185-010	CORD BUSHING(E,K,G,Z ONLY)(S-79MK2)		1
	2-17	★87-034-749-019	AC CORD(H ONLY)		1
	2-17	★87-034-994-010	AC CORD(U,C ONLY)		1
	2-17	★87-034-736-010	AC CORD(E,Z ONLY)		1
	2-17	★87-034-975-010	AC CORD(K ONLY)		1
	2-17	★87-034-735-010	AC CORD(G ONLY)		1
	2-17	★87-034-975-018	AC CORD(S-79MK2)		1
	2-18	★81-629-007-019	PUSH-KEY(1)	*	6
	2-19	★81-629-008-019	PUSH-KEY(2)	*	6
	2-20	★81-629-009-119	KNOB, REVERSE	*	2

EXPLODED VIEW—3 (DECK1)

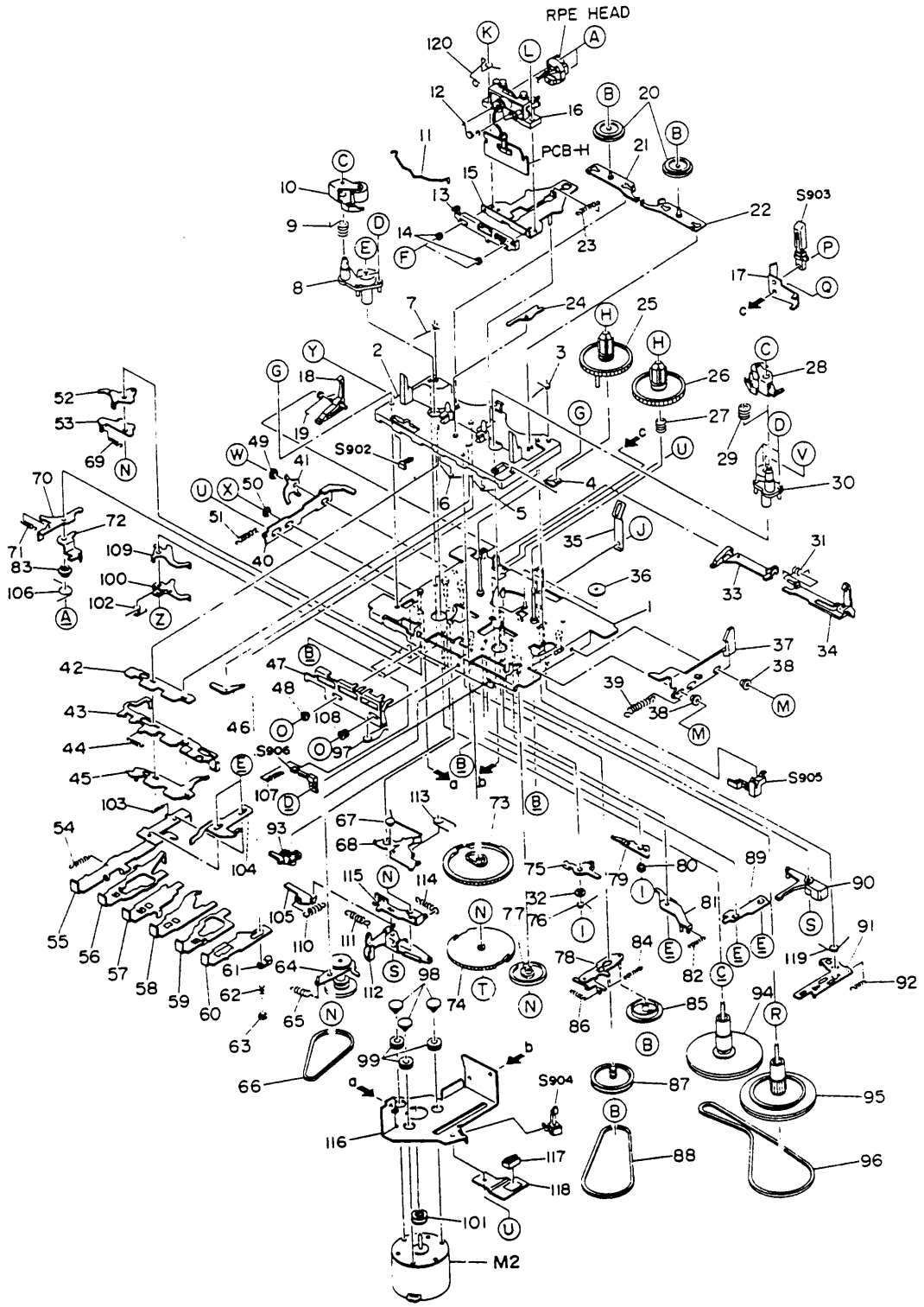
REF.NO.	PART NO.	DESCRIPTION
A	S9-820-000-00	⊕ ⊖ CAP 2x9
B	S9-922-000-00	AZIMUTH 2x8
C	S9-115-000-00	U+2x3
D	S9-999-200-18	P TAPPING 2x3.5
E	S9-179-000-00	C TAPPING 2x3
F	S9-661-000-00	CAP TAPPING 2x5
G	S9-442-000-00	PW 12x3.8x0.3(Cut)
H	S9-679-000-00	P TAPPING BIND 2x5
I	S1-921-120-03	MB
J	S9-999-180-09	TAPPING 2x4.5
K	S9-181-000-00	C TAPPING 2x5
L	S9-786-000-00	PW 2x3.5x0.3
M	S9-999-030-13	PW 1.45x3.8x0.5(Cut)



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
					1
	3-1	★S1-921-015-010	CHASSIS ASSY		1
	3-2	★S1-921-140-210	REC BUTTON LEVER SPRING		1
	3-3	★S1-921-140-170	P.S.LEVER SPRING		1
	3-4	★S1-821-011-590	E KICK LEVER		1
	3-5	★S1-921-140-080	PUSH-BUTTON ACTUATOR		1
	3-6	★S1-921-140-400	SWITCH ACTUATOR		1
	3-7	★S1-921-140-200	PR STOPPER		1
	3-8	★S1-921-140-110	PAUSE STOPPER		1
	3-9	★S1-921-140-120	PAUSE LEVER SPRING		1
	3-10	★S1-921-141-0A0	PAUSE LEVER		1
	3-11	★S1-921-140-130	P CONTROL SPRING		1
	3-12	★S1-921-140-150	BUTTON LEVER SPRING (B)		1
	3-13	★S1-921-140-140	BUTTON LEVER SPRING (A)		1
	3-14	★S1-921-143-010	BASE ASSY		1
	3-15	★S1-821-100-640	BACK-TENSION SPRING		1
	3-16	S1-921-053-020	SUPPLY REEL ASSY		1
	3-17	S1-921-043-010	PINCH ROLLER ARM ASSY		1
	3-18	★S1-921-140-180	M CONTROL SPRING		1
	3-19	★S1-921-030-020	HEAD PANEL		1
	3-20	★S1-921-030-060	HEAD BASE		1
	3-21	★S1-821-030-800	EH SPRING		1
	3-22	★S1-821-030-700	AZIMUTH SPRING		1
	3-23	★S1-921-030-090	PANEL P SPRING		1
	3-24	★S1-921-260-050	GEAR PLATE SPRING		1
	3-25	★S1-921-265-020	GEAR PLATE ASSY		2
	3-26	★S1-921-140-370	P ARM COLLER		1
	3-27	★S1-921-140-340	P ARM		1
	3-28	★S1-921-260-040	SENSING LEVER		1
	3-29	★S1-921-130-020	EJECT SLIDE LEVER		1
	3-30	★S1-921-050-060	SENSOR		1
	3-31	S1-921-053-010	TAKE-UP REEL ASSY		1
	3-32	★S1-821-100-700	FF GEAR		1
	3-33	★S1-829-100-010	PACK SPRING		1
	3-34	★S1-921-206-020	CAM GEAR		2
	3-35	★S1-921-120-020	MOTOR COLLER SCREW		1
	3-36	★S1-821-120-890	MOTOR BRACKET		1
	3-37	★S1-921-120-050	MOTOR PULLEY		1
	3-38	★S1-921-140-160	E ACTUATOR SPRING		1
	3-39	S1-921-093-050	FLYWHEEL ASSY		1
	3-40	S1-921-070-040	MAIN BELT		1
	3-41	S1-921-073-010	RF CLUTCH ASSY		1
	3-42	★S1-921-020-010	REC ARM		1
	3-43	★S1-921-140-270	PAUSE BUTTON LEVER		1
	3-44	★S1-921-140-260	STOP BUTTON LEVER		1
	3-45	★S1-921-140-250	FF BUTTON LEVER		1
	3-46	★S1-921-140-240	REW BUTTON LEVER		1
	3-47	★S1-921-140-230	PLAY BUTTON LEVER		1
	3-48	★S1-921-140-220	REC BUTTON LEVER		1
	3-49	S1-921-070-030	RF BELT		1

EXPLODED VIEW—4 (DECK2)

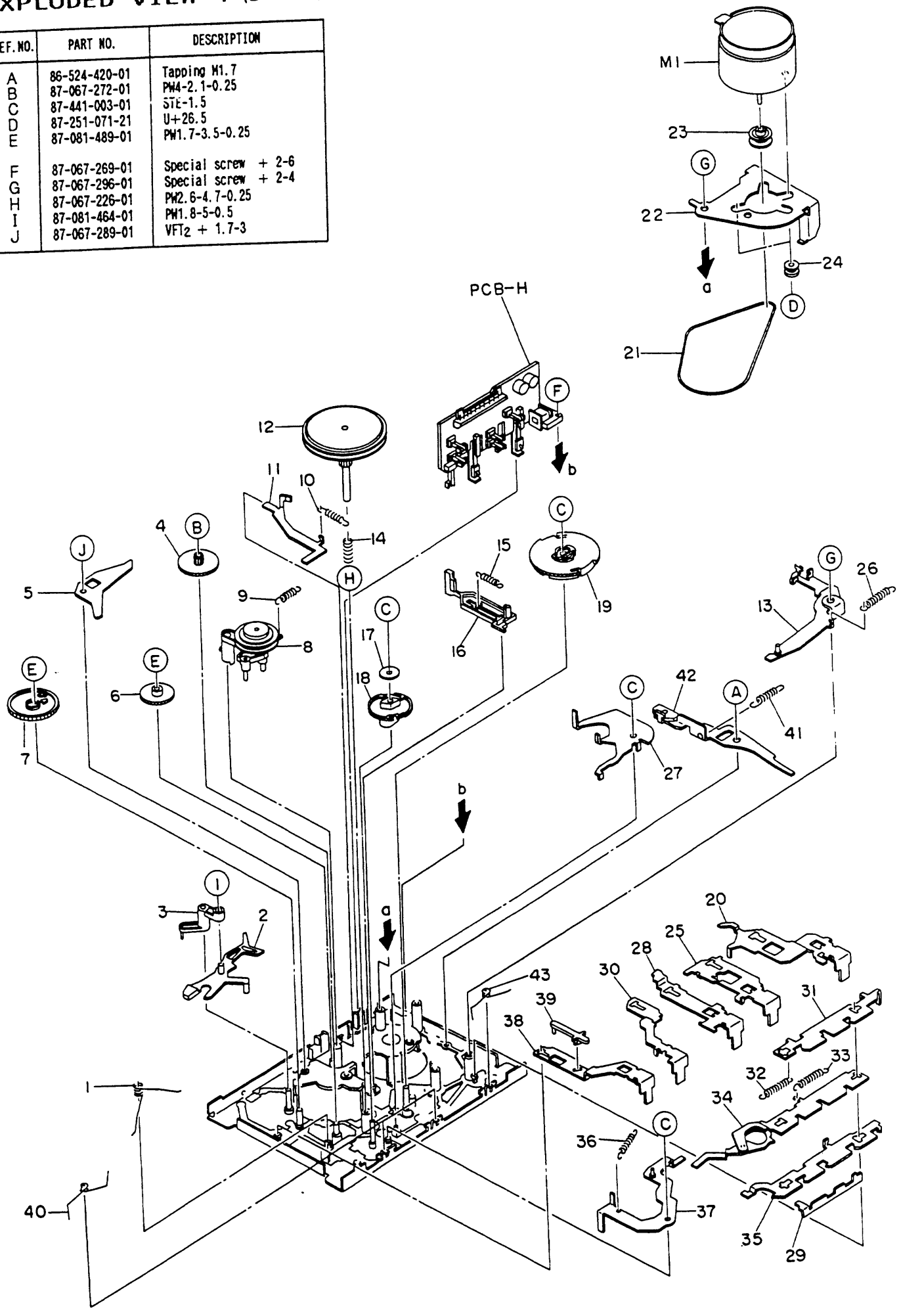
REF.NO.	PART NO.	DESCRIPTION
A	S9-999-180-02	H COLLAR S
B	S9-421-000-00	PW 1.2x3x0.25(Cut)
C	S9-999-200-01	⊕ ⊖ CAP 2x5
D	S9-898-000-00	Q+2x8.5
E	S9-787-000-00	PW 1.55x5x0.5(Cut)
F	S9-547-000-00	V+1.7x3
G	S9-982-000-00	V+2x7
H	S9-486-000-00	STE S1.5(Special)(B)
I	S9-561-000-00	V+2x3.5
J	S9-178-000-00	C TAPPING 2x3(Special)
K	S9-976-000-00	V+2-5.5(Special)
L	S9-078-000-00	VS 2x5
M	S9-181-000-00	C TAPPING 2x5
N	S9-502-000-00	STE S2.0
O	S9-086-000-00	VS 2x7
P	S9-115-000-00	U+2x3
Q	S9-179-000-00	C TAPPING 2x3
R	S9-999-000-11	PW 2.2x3.8x0.13
S	S9-744-000-00	PW 2.1x5x0.4(Cut)
T	S9-497-000-00	STE S1.5(Special)
U	S9-076-000-00	VS 2x3
V	S9-999-030-08	PW 1.85x5x0.5(Cut)
W	S9-999-180-07	QT+2.3x5
X	S9-999-180-08	QT+2x3.5
Y	S9-825-000-00	V+2x5.5
Z	S9-500-000-00	STE S1.5
A	S9-560-000-00	V+2x4.5
B	S9-674-000-00	P TAPPING 2x6
C	S9-882-000-00	PW 2x3.5x0.4
D	S9-180-000-00	C TAPPING 2x3
E	S1-865-110-21	COLLAR SCREW



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	4-1	*S1-865-015-060	CHASSIS ASSY		1
	4-2	*S1-865-140-010	MAIN BASE ASSY		1
	4-3	*S1-865-050-100	T.ROLLER PLATE SPRING (F)		1
	4-4	*S1-865-140-410	E-KICK STOPPER		1
	4-5	*S1-865-140-550	BUTTON LEVER SPRING		1
	4-6	*S1-865-140-320	BUTTON LEVER SPRING		1
	4-7	*S1-865-050-110	T.ROLLER PLATE SPRING (R)		1
	4-8	*S1-865-093-150	F.L METAL (R) ASSY		1
	4-9	*S1-865-040-210	P.ARM SPRING (R)		1
	4-10	S1-865-043-060	PINCH ROLLER ARM (R) ASSY		1
	4-11	*S1-865-040-200	PINCH ROLLER SPRING		1
	4-12	*S1-865-020-240	TURN OVER SPRING		1
	4-13	*S1-865-020-180	C.H.P. LEVER		1
	4-14	*S1-865-020-280	C.H.P. LEVER COLLAR		1
	4-15	*S1-865-025-020	HEAD PANEL ASSY		1
	4-16	*S1-865-023-060	HEAD BASE ASSY		1
	4-17	*S1-865-010-410	SENSING SW BRACKET		1
	4-18	*S1-865-010-290	REC SAFETY LEVER (F)		1
	4-19	*S1-865-010-360	REC SAFETY LEVER SPRING (F)		1
	4-20	S1-865-053-010	T.ROLLER ASSY		2
	4-21	*S1-865-055-020	T.ROLLER PLATE (R)		1
	4-22	*S1-865-055-010	T.ROLLER PLATE (F)		1
	4-23	*S1-865-020-110	HEAD PANEL SPRING		1
	4-24	*S1-865-220-050	CONTROL LEVER		1
	4-25	S1-865-053-100	REEL ASSY (R)		1
	4-26	S1-865-053-110	REEL ASSY (F)		1
	4-27	*S1-865-050-410	BACK TENSION SPRING		1
	4-28	S1-865-043-070	PINCH ROLLER ARM (F) ASSY		1
	4-29	*S1-865-040-220	P ARM SPRING (F)		1
	4-30	*S1-865-090-100	FL METAL (F) ASSY		1
	4-31	*S1-865-010-370	REC SAFETY LEVER SPRING (R1)		1
	4-32	*S1-865-170-070	P TRIGGER COLLAR		1
	4-33	*S1-865-013-1A0	REC SAFETY LEVER (R2)		1
	4-34	*S1-865-010-300	REC SAFETY LEVER (R1)		1
	4-35	*S1-865-010-350	RACK SPRING PLATE		1
	4-36	*S1-865-010-200	FF GEAR		1
	4-37	*S1-865-130-010	E SLIDE LEVER		1
	4-38	*S1-865-130-020	COLLAR		2
	4-39	*S1-865-130-090	SPRING		1
	4-40	*S1-865-220-260	REC CHANGE LEVER		1
	4-41	*S1-865-220-280	M KICK LEVER		1
	4-42	*S1-865-140-230	R/C STOPPER		1
	4-43	*S1-865-145-040	PUSH BUTTON ACTUATOR ASSY		1
	4-44	*S1-865-140-630	PUSH BUTTON ACTUATOR SPRING		1
	4-45	*S1-865-140-070	SWITCH ACTUATOR		1
	4-46	*S1-865-140-280	REW LEVER		1
	4-47	*S1-865-220-320	CH SLIDE LEVER		1
	4-48	*S1-865-220-400	CH COLLAR (A)		1
	4-49	*S1-865-220-390	M KICK LEVER COLLAR		1
	4-50	*S1-715-230-120	COLLAR		1
	4-51	*S1-865-220-480	REC CHANGE LEVER SPRING		1
	4-52	*S1-865-215-030	M TRIGGER ARM (A) ASSY		1
	4-53	*S1-865-210-130	M TRIGGER ARM (B)		1
	4-54	*S1-865-140-580	REC BUTTON LEVER SPRING		1
	4-55	*S1-865-140-530	REC BUTTON LEVER		1
	4-56	*S1-865-140-170	PLAY BUTTON LEVER		1
	4-57	*S1-865-140-180	RWD BUTTON LEVER		1
	4-58	*S1-865-140-190	FF BUTTON LEVER		1
	4-59	*S1-865-140-200	STOP BUTTON LEVER		1
	4-60	*S1-865-145-010	PAUSE BUTTON LEVER ASSY		1

EXPLODED VIEW-4 (DECK-1)

REF. NO.	PART NO.	DESCRIPTION
A	86-524-420-01	Tapping M1.7
B	87-067-272-01	PW4-2.1-0.25
C	87-441-003-01	STE-1.5
D	87-251-071-21	U+26.5
E	87-081-489-01	PW1.7-3.5-0.25
F	87-067-269-01	Special screw + 2-6
G	87-067-296-01	Special screw + 2-4
H	87-067-226-01	PW2.6-4.7-0.25
I	87-081-464-01	PW1.8-5-0.5
J	87-067-289-01	VFT2 + 1.7-3



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
					1
	4-61	★S1-821-010-150	PAUSE LEVER		1
	4-62	★S1-821-010-160	PAUSE LEVER SPRING		1
	4-63	★S1-821-010-340	P STOPPER		1
	4-64	S1-865-073-070	RF CLUTCH ASSY		1
	4-65	★S1-800-110-430	SPRING		1
	4-66	S1-865-070-120	RF BELT		1
	4-67	★S1-865-210-040	LIFT SPRING		1
	4-68	★S1-865-215-020	LIFT ARM ASSY		1
	4-69	★S1-730-020-200	SPRING		1
	4-70	★S1-865-220-610	BOTH FACES SENSING PLATE		1
	4-71	★S0-940-100-030	SPRING		1
	4-72	★S1-865-220-530	M SWITCH LEVER		1
	4-73	★S1-865-210-210	M GEAR		1
	4-74	★S1-865-220-590	CH GEAR		1
	4-75	★S1-865-175-020	P TRIGGER ARM ASSY		1
	4-76	★S1-865-170-080	P TRIGGER ARM SPRING		1
	4-77	★S1-865-170-010	P GEAR		1
	4-78	★S1-865-110-030	CAM GEAR PLATE ASSY		1
	4-79	★S1-865-170-090	RF TRIGGER ARM		1
	4-80	★S1-865-170-100	RF COLLAR		1
	4-81	★S1-865-175-010	P ACTUATOR ARM ASSY		1
	4-82	★S1-700-160-130	SPRING		1
	4-83	★S1-865-220-540	M SWITCH LEVER COLLAR		1
	4-84	★S1-865-110-120	CAM GEAR PLATE SPRING		1
	4-85	★S1-865-110-020	CAM GEAR		1
	4-86	★S1-865-110-130	SENSOR PLATE SPRING		1
	4-87	★S1-865-110-010	PULLEY		1
	4-88	S1-865-110-240	FULL AUTO BELT		1
	4-89	★S1-865-110-090	RF LEVER		1
	4-90	★S1-865-110-030	SENSING PLATE		1
	4-91	★S1-865-110-140	C LEVER		1
	4-92	★S1-865-110-110	CONTROL LEVER SPRING		1
	4-93	★S1-865-220-370	MODE LEVER		1
	4-94	S1-865-093-400	FL PULLEY CAPSTAN ASSY		1
	4-95	S1-865-093-530	FL GEAR CAPSTN ASSY		1
	4-96	S1-865-090-850	MAIN BELT		1
	4-97	★S1-865-220-360	CH GEAR SPRING		3
	4-98	★S1-821-120-020	M COLLAR SCREW		3
	4-99	★S1-820-130-060	MOTOR RUBBER		1
	4-100	★S1-865-220-290	BOTH FACES FUNCTION LEVER		1
	4-101	★S1-820-130-290	MOTOR PULLEY		1
	4-102	★S1-865-220-350	FUNCTION LEVER SPRING		1
	4-103	★S1-840-020-450	SPRING		1
	4-104	★S1-865-220-270	REC SENSOR LEVER		1
	4-105	★S1-865-220-450	CH LEVER (K)		1
	4-106	★S1-865-220-550	M SWITCH LEVER SPRING		1
	4-107	★S1-562-110-050	SPRING		1
	4-108	★S1-865-220-410	C,H COLLAR (B)		1
	4-109	★S1-865-220-310	STOP LEVER		1
	4-110	★S1-865-220-470	CH LEVER (K) SPRING		1
	4-111	★S1-865-220-460	CH LEVER (H) SPRING		1
	4-112	★S1-865-225-050	CH LEVER (H) ASSY		1
	4-113	★S1-865-210-150	LIFT ARM SPRING		1
	4-114	★S1-852-170-110	SPRING		1
	4-115	★S1-865-220-440	CH LEVER (J)		1
	4-116	★S1-865-090-500	MOTOR BRACKET		1
	4-117	★S1-820-130-120	ANTI VIBRATION FELT MAT		1
	4-118	★S1-865-090-640	ANTI VIBRATION BRACKET		1
	4-119	★S1-865-110-150	C LEVER SPRING		1
	4-120	★S1-865-020-580	CLAMP SPRING		

■ SPEAKER LIST

(SX−780A)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	★83-160-013-010	WOOFER PANEL		1
	2	★83-106-014-010	TWEETER PANEL		1
	3	★83-106-015-010	DUCT PANEL		1
	4	83-646-601-010	SPEAKER WOOFER		1
	5	83-136-603-010	SPEAKER TWEETER		1
	6	★83-082-041-010	CORD BUSHING		1
	7	★83-096-614-010	SPEAKER CORD		1

(SX−790)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	★83-148-025-010	WOOFER PANEL S	*	1
	2	★83-148-026-010	SQUAKER PANEL S	*	1
	3	★83-148-027-010	TWEETER PANEL S	*	1
	4	83-148-601-010	SPEAKER WOOFER	*	1
	5	83-148-603-010	SPEAKER TWEETER	*	1
	6	83-148-605-010	TWEETER CERAMIC	*	1
	7	★83-096-614-010	SPEAKER CORD		1

(SX−SR7)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	★83-113-610-010	CORD φ 3.5		1
	2	83-158-601-110	SPEAKER		1

(SX−S79A)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	★83-147-025-010	GRILL FRAME ASSY L	*	1
	2	★83-147-017-010	PANEL,WOOFER	*	2
	3	★83-147-018-010	PANEL,TWEETER	*	2
	4	★83-147-030-010	NAME PLATE 79	*	2
	5	83-147-601-010	WOOFER SPEAKER	*	2
	6	83-136-603-010	TWEETER SPEAKER		2
	7	★83-082-041-010	CORD BUSHING		2
	8	★83-046-614-010	SPEAKER CORD		2
	9	★83-147-019-010	GRILL FRAME ASSY R	*	1

(SX−S770A)

PART NO. CHANGED TO	REF. NO.	PART NO.	ORDER	DESCRIPTION	COMMON MODEL	Q, TY
	1	★83-147-022-019	S	SX-S770A	*	1

PART NO. CHANGED TO	REF. NO.	PART NO.	ORDER	DESCRIPTION	COMMON MODEL	Q, TY
	4-1	*86-524-303-110	J	T-SPRING,PAUSE CAM		1
	4-2	*86-524-286-210	J	LEVER,AUTO KICK B		1
	4-3	*86-524-270-010	J	LEVER,AUTO		1
	4-4	86-524-334-010	J	PLAY GEAR F		1
	4-5	*86-524-386-110	J	LEVER,AUTO BLOCKING		1
	4-6	86-513-297-010	J	GEAR FF		1
	4-7	86-524-276-010	J	GEAR,AUTO CAM		1
	4-8	86-524-230-010	J	FR PULLEY ASSY		1
	4-9	*86-524-444-010	J	E-SPRING,FR LEVER A		1
	4-10	*86-524-448-110	J	E-SPRING,LEVER SW A		1
	4-11	*86-524-344-010	J	LEVER,FR SW		1
	4-12	*86-524-223-010	J	FLYWHEEL ASSY F		1
	4-13	*86-524-234-110	J	LEVR PLAY ASSY		1
	4-14	*86-524-323-010	J	C-SPRING,FLYWHEEL		1
	4-15	*86-524-311-110	J	E-SPRING,PLATE		1
	4-16	*86-524-333-210	J	PLATE SW		1
	4-17	*86-524-432-010	J	SPRING BEARING		1
	4-18	86-524-275-110	J	GEAR,PAUSE CAM		1
	4-19	86-524-465-010	J	MAIN CAM S		1
	4-20	---		PLATE BUTTON,REW		1
	4-21	86-524-471-010	J	MAIN BELT S		1
	4-22	---		HOLDER,MOTOR		1
	4-23	86-524-435-110	J	MOTOR PULLEY B2		2
	4-24	*86-524-441-110	J	COLLAR		1
	4-25	---		PLATE BUTTON,PLAY		1
	4-26	*86-524-313-210	J	E-SPRING,PLAY LEVER		1
	4-27	*86-524-271-110	J	TRIGGER LEVER,PAUSE		1
	4-28	---		PLATE BUTTON,FF		1
	4-29	*86-524-267-110	J	LEVER R,EXTENSION		1
	4-30	---		PLATE BUTTON,STOP		1
	4-31	*86-524-262-310	J	PLATE,DIRECTION BLOCKING		1
	4-32	*86-524-319-010	J	E-SPRING,LOCK PLATE		1
	4-33	*86-524-438-010	J	E-SPRING,LOCK PLATE A		1
	4-34	*86-524-263-010	J	PLATE EJECT ASSY		1
	4-35	*86-524-261-010	J	PLATE,LOCK		1
	4-36	*86-524-314-010	J	E-SPRING,TRIGGER LEVER		1
	4-37	*86-524-248-410	J	TRIGGER LEVER PLAY ASSY		1
	4-38	---		PLATE BUTTON,PAUSE		1
	4-39	*86-524-296-110	J	LEVER,PAUSE LOCK		1
	4-40	*86-524-415-410	J	T-SPRING,PUSH-KEY B		2
	4-41	*86-524-316-010	J	E-SPRING,MS LEVER		1
	4-42	*86-524-361-110	J	LEVER MS ASSY		1
	4-43	*86-524-416-310	J	T-SPRING,PUSH-KEY C		1

■ DECK — 2 (2ME-5 R14)

See the 2ME-5 Mechanism Guide (Supplement of Service Manual) for the exploded views.
The following parts have been changed for this model.

Alteration Parts List

PART NO. CHANGED TO	REF. NO.	PART NO.	ORDER	DESCRIPTION	COMMON MODEL	Q, TY
	2-9	*86-524-444-010	J	E-SPRING,FR LEVER A		1
	2-10	*86-524-448-010	J	E-SPRING,LEVER SW A		1
	2-23	86-524-273-110	J	MOTOR PULLEY B		1
	2-54	*86-524-310-210	J	T-SPRING,REC		1

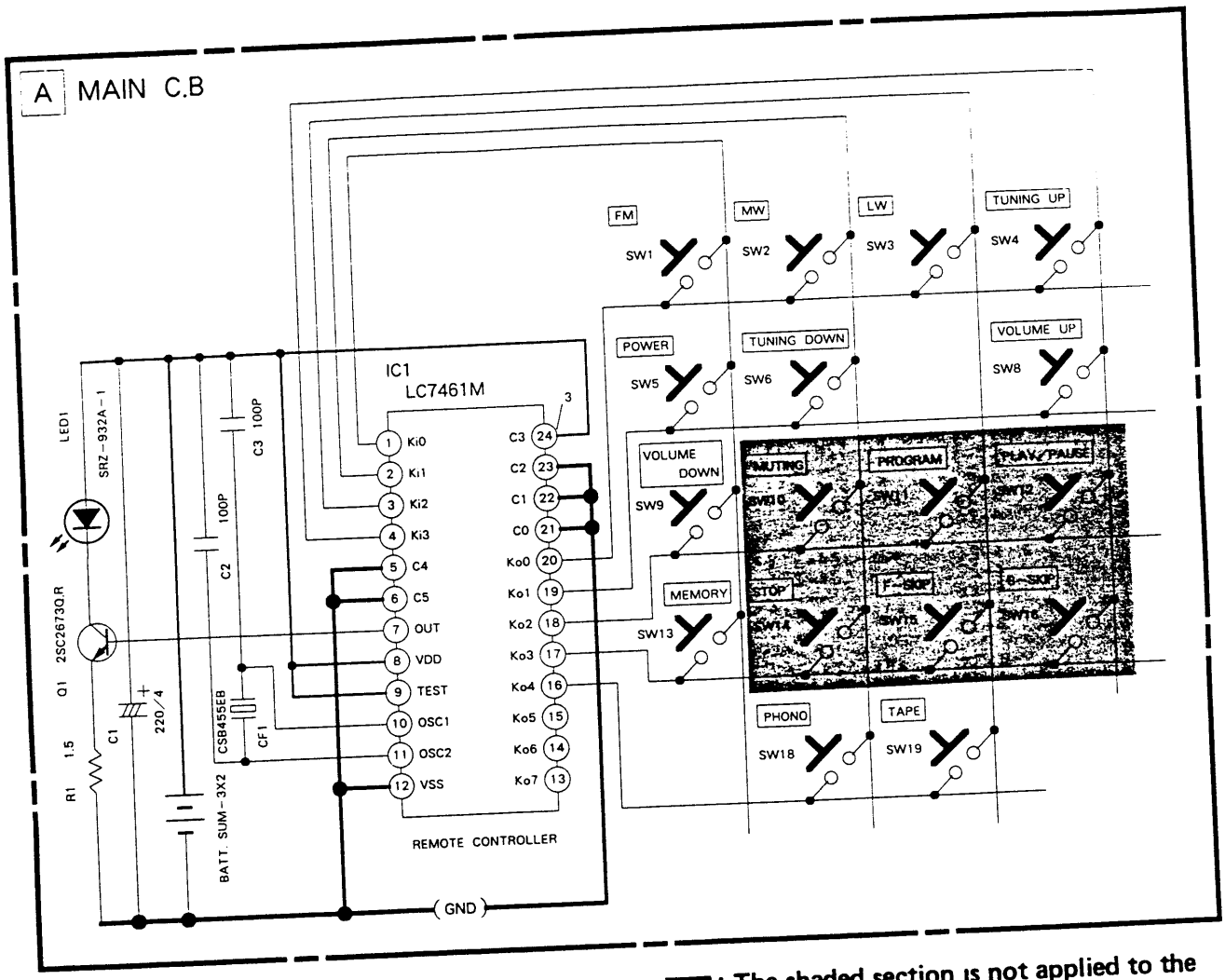
The following REF.NOS. are not used in this model.
1-9, 1-38, 1-39, 1-42, 1-46
2-30, 2-41-2-43, 2-45, 2-46

MC-Service

MODEL NO.

RC-T770, 305

SCHEMATIC DIAGRAM (RC-T770L, 305)



: The shaded section is not applied to the model of SYSTEM 305

TRANSMITTER SIGNAL CODE (RC-T770L, 305)

KEY NO.	DATA CODE								FUNCTION
	D0	D1	D2	D3	D4	D5	D6	D7	
SW1	0	0	0	0	0	0	0	0	FM
SW2	1	0	0	0	0	0	0	0	MW
SW3	0	1	0	0	0	0	0	0	LW
SW4	1	1	0	0	0	0	0	0	TUNING
SW5	0	0	1	0	0	0	0	0	POWER
SW6	1	0	1	0	0	0	0	0	TUNING DOWN
SW7	0	1	1	0	0	0	0	0	NOT USED
SW8	1	1	1	0	0	0	0	0	VOLUME UP
SW9	0	0	0	1	0	0	0	0	VOLUME DOWN
SW10	1	0	0	1	0	0	0	0	MUTING

KEY NO.	DATA CODE								FUNCTION
	D0	D1	D2	D3	D4	D5	D6	D7	
SW11	0	1	0	1	0	0	0	0	PROGRAM
SW12	1	1	0	1	0	0	0	0	PLAY/PAUSE
SW13	0	0	1	1	0	0	0	0	MEMORY
SW14	1	0	1	1	0	0	0	0	STOP
SW15	0	1	1	1	0	0	0	0	F.SKIP
SW16	1	1	1	1	0	0	0	0	B.SKIP
SW17	0	0	0	0	1	0	0	0	NOT USED
SW18	1	0	0	0	1	0	0	0	PHONO
SW19	0	1	0	0	1	0	0	0	TAPE

SW11,12,13,14,15.16: CX-S770 ONLY

MODEL NO.

PX-SE79

■ ALTERATION PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	S0-001-101-332	DUST COVER ASSY		1
	56	*S1-003-101-289	FRONT OVERLAY		1
	65	S0-004-101-258	PICK UP ARM ASSY		1

■ ACCESSORIES/PACKAGE LIST

(V770MK2, V770MK2A)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	*81-644-905-018	INSTRUCTION BOOKLET(E) G(V-770MK2)	*	1
	2	*81-644-904-019	INSTRUCTION BOOKLET(E) S(V-770MK2A)	*	1
	3	*81-645-003-019	RC-T790LYBN		1
	4	*81-794-710-010	AM LOOP ANTENNA (S)		1
	5	*81-748-632-010	FM FEEDER ANTENNA M		1
	6	*87-043-095-010	5M(SW) WIRE ANT		1

(CP−790) (CX 790)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	*81-644-901-019	INSTRUCTION BOOKLET(H) S(H,G,HJ)	*	1
	2	*81-644-904-019	INSTRUCTION BOOKLET(E) S(U,C)	*	1
	3	*81-644-905-018	INSTRUCTION BOOKLET(E) G(E,K,Z)	*	1
	4	*81-645-001-019	RC-T790SFYBN(H,G,HJ)		1
	5	*81-645-002-019	RC-T790FYBN(U,C)		1
	6	*81-645-003-019	RC-T790LYBN(E,K,Z)		1
	7	*81-748-632-010	FM FEEDER ANT M		1
	8	*81-761-913-010	LOOP ANT ASSY Y (B)(H,G,HJ)		1
	9	*81-794-710-010	AM LOOP ANT (S)(U,C,E,K,Z)		1
	10	*87-032-845-019	PLUG SIEMENS(H,HJ)		

(S−79MK2)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	*81-630-905-018	INSTRUCTION BOOKLET (E) C	*	1
	2	*81-645-008-019	RC-T79MK2LYBN		1
	3	*81-748-632-010	FM FEEDER ANT M		1
	4	*81-794-710-010	AM LOOP ANTENNA (S)		1

MC-Service

MECHANICAL, ELECTRICAL MAIN PARTS LIST (RC-T770L, 305)

REF.NO.	PART NO.	ORDER	DESCRIPTION
--- IC ---			
	87-020-980-010	J	IC,LC7461M
--- TRANSISTOR ---			
	89-326-732-019	S	TRANSISTOR,2SC2673QR
--- MAIN CIRCUIT BOARD SECTION ---			
PCB-A	81-794-615-019	S	MAIN CIRCUIT BOARD
C1	★87-010-082-019	S	CAP,ELECT 220-4V
LED1	★84-725-618-010	J	LED,SRZ-932A-1
--- MISCELLANEOUS ---			
	★81-794-064-019	S	PLATE RC EX(CX-S770)
	★81-794-137-019		PLATE RC A(SYSTEM 305)
	81-790-201-019	S	BATTERY,TERMINAL
	★81-793-003-019	S	CABINET,REAR
	81-793-004-019	S	LID,BATTERY
	★81-793-006-019	S	WINDOW,TRANSMISSION
	★81-794-050-019	S	CABINET,RC
	82-646-222-019	S	BATTERY,TERMINAL +
	82-662-206-019	S	BATTERY,TERMINAL
SW1	★81-794-063-019	S	PUSH BUTTON RUBBER EX(FM) (RC-T770L)
SW2	★	+++	S PUSH BUTTON RUBBER EX(MW) (RC-T770L)
SW3	★	+++	S PUSH BUTTON RUBBER EX(LW) (RC-T770L)
SW4	★	+++	S PUSH BUTTON RUBBER EX(TUN.UP) (RC-T770L)
SW5	★	+++	S PUSH BUTTON RUBBER EX(POWER) (RC-T770L)
SW6	★	+++	S PUSH BUTTON RUBBER EX(TUN.DOWN) (RC-T770L)
SW8	★	+++	S PUSH BUTTON RUBBER EX(VOL.UP) (RC-T770L)
SW9	★	+++	S PUSH BUTTON RUBBER EX(VOL.DOWN) (RC-T770L)
SW10	★	+++	S PUSH BUTTON RUBBER EX(MUTING) (RC-T770L)
SW11	★	+++	S PUSH BUTTON RUBBER EX(PROGRAM) (RC-T770L)
SW12	★	+++	S PUSH BUTTON RUBBER EX(PL/PAUSE) (RC-T770L)
SW13	★	+++	S PUSH BUTTON RUBBER EX(MEMORY) (RC-T770L)
SW14	★	+++	S PUSH BUTTON RUBBER EX(STOP) (RC-T770L)
SW15	★	+++	S PUSH BUTTON RUBBER EX(F-SKIP) (RC-T770L)
SW16	★	+++	S PUSH BUTTON RUBBER EX(B-SKIP) (RC-T770L)
SW18	★	+++	S PUSH BUTTON RUBBER EX(PHONO) (RC-T770L)
SW19	★	+++	S PUSH BUTTON RUBBER EX(TAPE) (RC-T770L)
SW1	★81-794-138-019		PUSH BUTTON RUBBER A(FM) (SYSTEM 305)
SW2	★	+++	PUSH BUTTON RUBBER A(MW) (SYSTEM 305)
SW3	★	+++	PUSH BUTTON RUBBER A(LW) (SYSTEM 305)
SW4	★	+++	PUSH BUTTON RUBBER A(TUN.UP) (SYSTEM 305)
SW5	★	+++	PUSH BUTTON RUBBER A(POWER) (SYSTEM 305)
SW6	★	+++	PUSH BUTTON RUBBER A(TUN.DOWN) (SYSTEM 305)
SW8	★	+++	PUSH BUTTON RUBBER A(VOL.UP) (SYSTEM 305)
SW9	★	+++	PUSH BUTTON RUBBER A(VOL.DOWN) (SYSTEM 305)
SW10	★	+++	PUSH BUTTON RUBBER A(MUTING) (SYSTEM 305)
SW18	★	+++	PUSH BUTTON RUBBER A(PHONO) (SYSTEM 305)
SW19	★	+++	PUSH BUTTON RUBBER A(TAPE) (SYSTEM 305)

MC-Service

NOTE: Remote Controller RC-T770L(PART NO. 86-235-00
SYSTEM 305(PART NO. 86-235-009-019)
Availability of this commander is very limited, so
order its individual parts.